ASSESSMENT REPORT ON A BLOCK OF 52 CONTIGUOUS CLAIMS LOCATED IN THE LINGMAN LAKE AREA, N.W. ONTARIO

OWNER/OPERATOR

Amoco Canada Petroleum Co. Ltd.,
Mining Division,
Suite 2010,
65 Queen St. West,
TORONTO, Ontario,
Ontario, M5H 2M5.

May 5th/81

Report written by:

Babu Gajaria,
January 14, 1981.

INTRODUCTION

The following assessment report refers to a group of 52 contiguous claims located in the Lingman Lake area, a distance of 200 air miles N.N.E. of the town of Red Lake, (See enclosed property map). Access into the area is by ski or float plane.

Mineral exploration work was carried out over a picket line grid, having a line spacing of 240 meters with stations every 30 meters.

The work consisted of geological mapping, CEM, magnetometer and radem surveys, rock chip sampling and sampling of the humus horizon every 30 meters. The results of the above work were plotted on maps at a scale of 1:3000 and are enclosed.

GEOLOGY

Outcrop density on this part of the property is approximately 10%. The predominant rock types are N.W. - S.E. to east-west trending pillowed to variolitic basalt lava flows with interflow tuff units. Pillows indicate tops to the South-southeast. The basic volcanics are bounded to the north by a medium coarse grained felsic intrusive rocks consisting of granites - granodiorites Metasediments are thought to overlie the basic volcanics; the interpretation is largely based on magnetics. Arkosic and greywacke type sediments have been mapped along the eastern end of the Lingman Lake shoreline. Rock chip sampling did not detect any significant values in gold.

GEOCHEMISTRY

Gold: No significant anomalies were detected, however, a number of weak (3 - 6 ppb Au), narrow anomalies are detected in the east end of the grid. One sample on Line 1200W, 480 South assayed 98 ppb Au; no anomalous values in gold were detected in the vicinity.

Arsenic: A number of weak - moderate anomalies are detected, a large portion of which have limited strike length (approximately 240 meters). Two significant zones merit attention. One such zone stretches from Line 2160 East, 270 North - 360 North (90 meters-width) to Line 2640 East, 210 North - 330 North (120 meters width) with a range in value from 8 - 37 ppm. The other zone stretches from Line 2880 East at 450 North to Line 3360E, 510 North - 660 North (150 meters width) with a range in value from 9 - 26 ppm. Weak gold with weak to moderate arsenic anomalies are coincident in the eastern most part of the grid. The area of interest stretches from Line 4320 East, baseline - 840 South to Line 4800 East,

baseline - 930 South.

Copper: A number of narrow, weak anomalies are detected. The best sample assayed 1095 ppm Cu.

Zinc: A number of weak, narrow, isolated anomalies are detected.

GEOPHYSICS

CEM: Ground CEM survey was carried out to cover all the airborne Input Conductors, over the 52 contiguous claims at a line separation of 240 meters. The horizontal shootback method was employed, with 90 meter coil separation. Resultant dip angles at 390 and 1830 Hz were measured. The survey detected a number of narrow banded shallow dipping (to the south) zones of poor conductivity. These conductive zones are located within 20 meters of surface. There is intermittent coincident magnetics with the Conductors.

Magnetics: Ground magnetometer survey using the McPhar's M700 fluxgate magnetometer was carried out over the entire claim block, at a line spacing of 240 meters with readings taken every 15 - 30 meters.

The magnetic survey did not outline any significant zones of high magnetics, however, id did deleneate major lithologic boundaries.

Granitic rocks appear to reflect readings in the 500 - 900 gamma range, while basic volcanics reflect 1000 - 3000 gamma range, locally reaching 4000- 7000 gammas. Sediments, which are exposed at the Southern boundary of the claim block, appear to reflect readings in the 300 - 500 gamma range.

Radem: VLF E-M Survey using Crone's Radem, was carried out over the entire block of 52 contiguous claims. The transmitting station used was Seattle, Washington. Dip angle readings and field strengths were measured every 30 meters and 15 meter readings were taken at cross over points.

The survey detected a number of essentially N.E. - S.W. trending conductors.

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: AMOCO CANADA PETROLEUM CO.,
65 QUEEN ST. W., SUITE 2010,
TORONTO, ONTARIO.
M5H 2M5

REPORT 9239 REF. FILE 4390-M4

138 ROCKS RE: SEEBER LAKE SUBMITTED ON 6-AUG-80

WERE ANALYSED AS FOLLOWS:

	UNITS	METHOD	DETECTION LIMIT
AU	PPB	FA-NA	1.000

DATE 12-SEP-80

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY J.H. OPPEBEECK

SAMPLE	AU PPB
S200801	<1
S200802	<1
S200804	<1
S200806	3
S200807	<1
S200808	<1
S200809	<1
S200811	1
S200812	<1
S200813	<1
S200815	4
S200817	<1
S200818	<1
S200820	<1
S200821	1
S200822	<1
S200824	<1
S200825	3
S200827	<1
S200828	4
S200829	<1
S200831	<1
S200832	2
S200833	<1
S200835	<1
S200836	1
S200838	<1
S200840	<1
S200842	<1
S200844	<1
S200845	2
S200847	5
S200848	<1
S200850	<1
S200852	<1
S200853	<1
S200855	<1
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S200857	<1
S200858	<1
S200859	<1
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S200865	<1
S200866	1
S200867	<1
S200868	1
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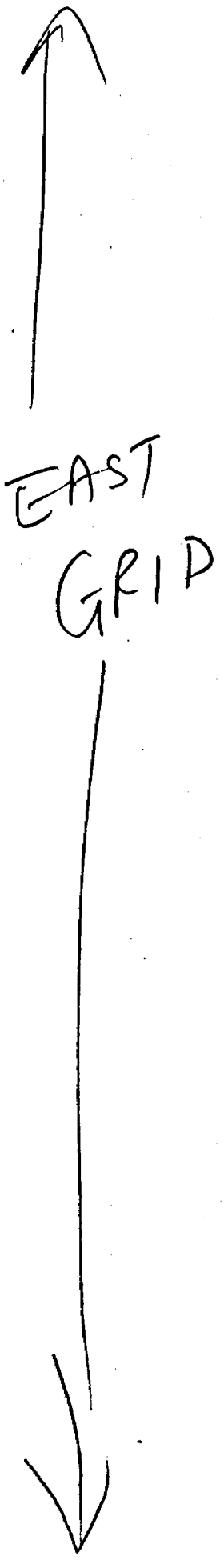
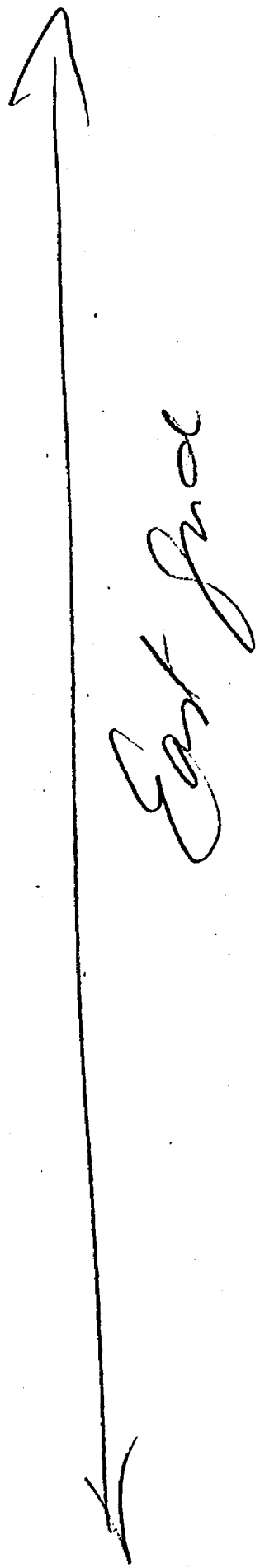
S200874	<1
S200875	<1
S200876	1
S200877	<1



SAMPLE	AU PPB
S200879	<1
S200880	<1
S201113	<1
S201116	<1
S201118	<1
S201119	<1
S201121	4
S201123	<1
S201125	<1
S201126	<1
S201127	<1
S201129	<1
S201130	<1
S201131	<1
S201132	5
S201134	<1
S201136	<1
S201138	<1
S201139	<1
S201140	<1
S201141	5
S201143	<1
S201145	2
S201146	<1
S201147	3
S201148	3
S201150	4
S201151	<1
S201152	1
S201153	5
S201154	1
S201156	<1
S201157	<1
S201159	<1
S201161	5
S201162	1
S201164	5
S201165	6
S201167	3
S201168	<1
S201169	8
S201170	1
S201171	<1
S201209	<1
S201210	<1
S201211	4
S201212	<1
S201213	5
S201214	<1
S201215	11
S201216	<1
S201217	<1
S201218	<1
S201219	3
S201220	<1
S201221	<1



SAMPLE	AU PPB
S201233	1
S201235	1
S201236	13
S201237	<1
S201239	1
S201240	1
S201242	<1
S201244	<1
S201245	<1
S201246	4
S201248	2
S201249	<1
S201250	<1
S201251	<1
S201253	1
S201254	<1
S201256	3
S201257	2

Cont'd ↑

Amoco - Seeber Lake EAST GRID ent

X-RAY ASSAY LABORATORIES 27-AUG-80 REPORT 0 REF. FILE 4063-BR PAGE 1

SAMPLE	AU PPB	CU	ZN	AS PPM
N.R.— S210242	<1	TBR	TBR	
S210331	<1	TBR	TBR	1
S210332	<1	TBR	TBR	1
S210333	1	TBR	TBR	2
S210334	<1	TBR	TBR	<1
S210335	1	TBR	TBR	2
S210336	2	TBR	TBR	2
S210337	3	TBR	TBR	6
S210338	1	TBR	TBR	9
S210339	<1	TBR	TBR	3
S210340	2	TBR	TBR	6
N.R.— S210340A	<1	TBR	TBR	3
S210341	2	TBR	TBR	4
S210342	1	TBR	TBR	6
S210343	1	TBR	TBR	3
S210344	2	TBR	TBR	7
S210345	<1	TBR	TBR	4
S210346	<1	TBR	TBR	9
S210347	1	TBR	TBR	10
S210348	1	TBR	TBR	1
S210349	2	TBR	TBR	2
S210350	<1	TBR	TBR	2
S210351	2	TBR	TBR	3
S210352	<1	TBR	TBR	2
S210353	2	TBR	TBR	1
S210354	<1	TBR	TBR	1
S210355	1	TBR	TBR	2
S210356	<1	TBR	TBR	2
S210357	<1	TBR	TBR	<1
S210358	1	TBR	TBR	1
S210359	<1	TBR	TBR	2
S210360	3	TBR	TBR	3
S210361	<1	TBR	TBR	7
S210362	<1	TBR	TBR	15
S210363	1	TBR	TBR	5
S210364	<1	TBR	TBR	11
S210365	<1	TBR	TBR	17
S210366	3	TBR	TBR	9
S210367	<1	TBR	TBR	2
S210368	<1	TBR	TBR	1
S210369	<1	TBR	TBR	4
S210370	<1	TBR	TBR	2
S210371	1	TBR	TBR	2
S210372	<1	TBR	TBR	5
S210373	<1	TBR	TBR	2
S210374	<1	TBR	TBR	2
S210375	<1	TBR	TBR	<1
S210376	<1	TBR	TBR	1
S210377	<1	TBR	TBR	2
S210378	<1	TBR	TBR	2
S210379	<1	TBR	TBR	1
S210380	<1	TBR	TBR	2
S210381	<1	TBR	TBR	2
S210382	<1	TBR	TBR	3
S210383	<1	TBR	TBR	2

AMOCO CANADA PETROLEUM COMPANY LTD.
AUG 28 1980
MINING DIVISION

3120E

3360E

ent.

SAMPLE	AU PPB	CU	ZN	AS PPM
S210384	<1	TBR	TBR	4
S210385	<1	TBR	TBR	3
S210386	<1	TBR	TBR	6
S210387	1	TBR	TBR	4
S210388	<1	TBR	TBR	6
S210389	NSS	TBR	TBR	NSS
S210390	<1	TBR	TBR	3
S210391	1	TBR	TBR	1
S210392	<1	TBR	TBR	2
S210393	<1	TBR	TBR	2
S210394	<1	TBR	TBR	3
S210395	<1	TBR	TBR	2
S210396	1	TBR	TBR	4
S210397	<1	TBR	TBR	4
S210398	<1	TBR	TBR	3
S210399	<1	TBR	TBR	2
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S210402	2	TBR	TBR	3
S210403	<1	TBR	TBR	5
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S210405	NSS	TBR	TBR	NSS
S210406	<1	TBR	TBR	3
S210407	NSS	TBR	TBR	NSS
S210408	<1	TBR	TBR	1
S210409	1	TBR	TBR	<1
S210410	1	TBR	TBR	2
S210411	NSS	TBR	TBR	NSS
S210412	NSS	TBR	TBR	NSS
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S210414	1	TBR	TBR	2
S210415	2	TBR	TBR	3
S210416	<1	TBR	TBR	2
S210417	3	TBR	TBR	1
S210418	2	TBR	TBR	2
S210419	<1	TBR	TBR	4
S210420	<1	TBR	TBR	4
S210421	1	TBR	TBR	2
S210422	<1	TBR	TBR	4
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S210429	3	TBR	TBR	4
S210430	2	TBR	TBR	6
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S210433	4	TBR	TBR	1
S210434	<1	TBR	TBR	2
S210435	<1	TBR	TBR	1
S210436	1	TBR	TBR	4
S210437	NH	TBR	TBR	NH
S210438	<1	TBR	TBR	6
S210439	1	TBR	TBR	9

3360E

5040E

Cost Grid

4800E

SAMPLE	AU PPB	CU	ZN	AS PPM
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S210443	2	TBR	TBR	4
S210444	<1	TBR	TBR	6
S210445	<1	TBR	TBR	6
S210446	3	TBR	TBR	2
S210447	5	TBR	TBR	3
S210448	<1	TBR	TBR	<1
S210449	4	TBR	TBR	8
S211352	2	TBR	TBR	3
S211353	<1	TBR	TBR	1
S211354	<1	TBR	TBR	3
S211355	<1	TBR	TBR	3
S211356	<1	TBR	TBR	1
S211357	<1	TBR	TBR	2
S211358	<1	TBR	TBR	2
S211359	<1	TBR	TBR	1
S211360	2	TBR	TBR	2
S211361	<1	TBR	TBR	4
S211362	2	TBR	TBR	2
S211363	2	TBR	TBR	1
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S211366	3	TBR	TBR	4
S211367	<1	TBR	TBR	4
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S211371	2	TBR	TBR	3
S211372	2	TBR	TBR	4
S211373	6	TBR	TBR	3
S211374	<1	TBR	TBR	<1
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S211377	4	TBR	TBR	9
S211378	5	TBR	TBR	29
S211379	<1	TBR	TBR	3
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S211381	<1	TBR	TBR	3
S211382	1	TBR	TBR	4
S211383	<1	TBR	TBR	2
S211384	<1	TBR	TBR	4
S211385	<1	TBR	TBR	4
S211386	<1	TBR	TBR	1
S211387	3	TBR	TBR	4
S211388	1	TBR	TBR	3
S211389	<1	TBR	TBR	5
S211390	<1	TBR	TBR	3
S211391	<1	TBR	TBR	3
S211392	6	TBR	TBR	10
S211393	<1	TBR	TBR	10
S211394	3	TBR	TBR	4
S211395	2	TBR	TBR	3
S211396	1	TBR	TBR	13
S211397	<1	TBR	TBR	11
S211398	<1	TBR	TBR	3
S211399	<1	TBR	TBR	1

ext

4800E

east grid

4560E

4320E

cut

SAMPLE	AU PPB	CU	ZN	AS PPM	
S211400	2	TBR	TBR	2	
S211401	<1	TBR	TBR	2	
S211402	1	TBR	TBR	<1	
S211403	<1	TBR	TBR	8	
S211404	<1	TBR	TBR	10	
S211405	2	TBR	TBR	9	
S211406	1	TBR	TBR	10	
S211407	<1	TBR	TBR	3	
S211408	<1	TBR	TBR	14	
S211409	<1	TBR	TBR	4	4820E
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S211412	<1	TBR	TBR	3	
S211413	4	TBR	TBR	4	
S211414	1	TBR	TBR	3	
S211415	<1	TBR	TBR	2	
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S212314	<1	TBR	TBR	4	
S212315	<1	TBR	TBR	<1	
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S212318	<1	TBR	TBR	3	
S212319	<1	TBR	TBR	2	
S212320	<1	TBR	TBR	1	
S212321	6	TBR	TBR	3	
S212322	2	TBR	TBR	1	
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S212329	<1	TBR	TBR	3	
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S212336	4	TBR	TBR	3	
S212337	2	TBR	TBR	5	
S212338	2	TBR	TBR	3	
S212339	1	TBR	TBR	2	
S212340	1	TBR	TBR	10	
S212341	<1	TBR	TBR	12	
S212342	<1	TBR	TBR	9	
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S212347	2	TBR	TBR	5	
S212348	3	TBR	TBR	2	
S212349	NH	TBR	TBR	NH	
S212350	3	TBR	TBR	3	
S212351	<1	TBR	TBR	2	
S212352	3	TBR	TBR	3	

East grid

SAMPLE	AU PPB	CU	ZN	AS PPM
S212353	<1	TBR	TBR	3
S212354	<1	TBR	TBR	2
S212355	<1	TBR	TBR	2
S212356	<1	TBR	TBR	7
S212357	<1	TBR	TBR	3
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S212361	<1	TBR	TBR	<1
S212362	1	TBR	TBR	1
S212363	<1	TBR	TBR	2
S212364	<1	TBR	TBR	1
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S212366	1	TBR	TBR	2
S212367	1	TBR	TBR	3
S212368	<1	TBR	TBR	3
S212369	1	TBR	TBR	2
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S212372	<1	TBR	TBR	1
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S212375	<1	TBR	TBR	3
S212376	1	TBR	TBR	3
S212377	2	TBR	TBR	2
S212378	<1	TBR	TBR	<1
S212379	NH	TBR	TBR	NH
S212380	1	TBR	TBR	2
S212381	NH	TBR	TBR	NH
S212382	<1	TBR	TBR	4
S212383	1	TBR	TBR	3
S212384	2	TBR	TBR	3
S212385	2	TBR	TBR	2
S212386	2	TBR	TBR	2
S212387	<1	TBR	TBR	<1
S212388	<1	TBR	TBR	1
S212389	<1	TBR	TBR	3
S212391	1	TBR	TBR	3
S212392	2	TBR	TBR	5
S212393	2	TBR	TBR	4
S212394	<1	TBR	TBR	4
S212395	<1	TBR	TBR	7
S212396	1	TBR	TBR	3
S212397	5	TBR	TBR	6
S212398	<1	TBR	TBR	5
S214186	NH	TBR	TBR	NH
S214187	1	TBR	TBR	3
S214188	<1	TBR	TBR	2
S214189	1	TBR	TBR	1
S214190	<1	TBR	TBR	3
S214191	1	TBR	TBR	4
S214192	1	TBR	TBR	4
S214193	3	TBR	TBR	9
S214194	1	TBR	TBR	6
S214195	1	TBR	TBR	1
S214196	<1	TBR	TBR	1

cut

4080E

East Grid

4080E

5040E

3600E

SAMPLE	AU PPB	CU	ZN	AS PPM
S214197	4	TBR	TBR	5
S214198	4	TBR	TBR	1
S214199	1	TBR	TBR	1
S214200	<1	TBR	TBR	<1
S214201	<1	TBR	TBR	2
S214202	2	TBR	TBR	1
S214203	NH	TBR	TBR	NH
S214204	2	TBR	TBR	2
S214205	<1	TBR	TBR	4
S214206	2	TBR	TBR	3
S214207	2	TBR	TBR	5
S214208	<1	TBR	TBR	5
S214209	<1	TBR	TBR	6
S214210	1	TBR	TBR	7
S214211	1	TBR	TBR	4
S214212	<1	TBR	TBR	2
S214213	<1	TBR	TBR	3
S214214	<1	TBR	TBR	2
S214215	2	TBR	TBR	4
S214216	<1	TBR	TBR	3
S214217	<1	TBR	TBR	4
S214218	<1	TBR	TBR	3
S214219	1	TBR	TBR	4
S214220	<1	TBR	TBR	2
S214221	<1	TBR	TBR	<1
S214222	<1	TBR	TBR	2
S214223	<1	TBR	TBR	2
S214224	<1	TBR	TBR	1
S214225	<1	TBR	TBR	<1
S214226	<1	TBR	TBR	2
S214227	<1	TBR	TBR	1
S214228	3	TBR	TBR	2
S214229	<1	TBR	TBR	4
S214230	<1	TBR	TBR	4
S214231	4	TBR	TBR	7
S214232	2	TBR	TBR	4
S214233	<1	TBR	TBR	3
S214234	<1	TBR	TBR	2
S214235	1	TBR	TBR	1
S214236	<1	TBR	TBR	2
S214237	<1	TBR	TBR	4
S214238	<1	TBR	TBR	3
S214239	<1	TBR	TBR	3
S214240	<1	TBR	TBR	5
S214241	<1	TBR	TBR	4
S214242	<1	TBR	TBR	2
S214243	<1	TBR	TBR	3
S214244	2	TBR	TBR	2
S214245	<1	TBR	TBR	2
S214246	<1	TBR	TBR	3
S214247	<1	TBR	TBR	3
S214248	<1	TBR	TBR	5
S214249	<1	TBR	TBR	8
S214250	<1	TBR	TBR	4
S214251	<1	TBR	TBR	4
S214252	<1	TBR	TBR	1

3600E

East Grid

3840E

cont.

SAMPLE	AU PPB	CU	ZN	AS PPM	
S214253	2	TBR	TBR	3	
S214254	<1	TBR	TBR	5	
S214255	3	TBR	TBR	2	
S214256	<1	TBR	TBR	5	
S214257	<1	TBR	TBR	4	
S214258	1	TBR	TBR	7	3840E
S214259	1	TBR	TBR	3	
S214260	<1	TBR	TBR	2	
S214261	<1	TBR	TBR	2	
S214262	<1	TBR	TBR	<1	
S214263	3	TBR	TBR	2	
S214264	<1	TBR	TBR	3	
S214265	<1	TBR	TBR	2	
S214266	<1	TBR	TBR	<1	
S214267	<1	TBR	TBR	2	
S214268	4	TBR	TBR	2	
S214269	1	TBR	TBR	3	
S214270	2	TBR	TBR	5	
S214271	<1	TBR	TBR	4	4320E
S214272	<1	TBR	TBR	1	
S214273	1	TBR	TBR	3	
S214274	1	TBR	TBR	4	
S218937	<1	TBR	TBR	<1	3840E
S218938	<1	TBR	TBR	<1	
S218939	1	TBR	TBR	<1	4080E
S219245	<1	TBR	TBR	1	
S219246	<1	TBR	TBR	1	
S219247	<1	TBR	TBR	<1	
S219248	<1	TBR	TBR	<1	3600E
S219249	<1	TBR	TBR	<1	
S219250	<1	TBR	TBR	1	
S219251	<1	TBR	TBR	<1	
S219252	<1	TBR	TBR	<1	
S219253	<1	TBR	TBR	1	
S219254	2	TBR	TBR	1	
S219255	<1	TBR	TBR	1	3840E
S219256	<1	TBR	TBR	1	
S219257	<1	TBR	TBR	1	
S219258	3	TBR	TBR	<1	4320E

duplicate

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: AMOCO CANADA PETROLEUM CO.,
65 QUEEN ST. W., SUITE 2010,
TORONTO, ONTARIO.
M5H 2M5

REPORT 8092 REF. FILE 4323-L2

110 ROCKS RE: SEEBER LAKE SUBMITTED ON 1-AUG-80

WERE ANALYSED AS FOLLOWS:

	UNITS	METHOD	DETECTION LIMIT
AU	PPB	FA-NA	1.000

DATE 31-AUG-80

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

J.H. OPDEBEECK

SAMPLE	AU PPB
S2000881	5
S2000882	3
S2000884	3
S2000885	3
S2000887	3
S2000888	8
S2000889	<1
S2000890	1
S2000891	9
S2000892	3
S2000894	<1
S2000895	8
S2000897	2
S2000899	<1
S2000901	<1
S2000902	10
S2000903	2
S2000905	2
S2000907	4
S2000909	22
S2000911	1
S2000913	<1
S2000915	1
S2010173	12
S2010174	18
S2010175	13
S2010175A	6
S2010176	<1
S2010177	4
S2010178	2
S2010179	3
S2010180	1
S2010181	<1
S2010182	1
S2010258	6
S2010259	1
S2010260	<1
S2010262	<1
S2010263	<1
S2010264	6
S2010265	4
S2010266	1
S2010267	4
S2010268	59
S2010269	5
S2010271	10
S2010272	1
S2010273	<1
S2010274	2
S2010275	<1
S2010276	9
S2010278	1
S2010279	<1
S2010280	1
S2010281	8

N. W GRID

EAST GRID

SAMPLE	AU PPB
S2010283	5
S2010284	<1
S2010285	3
S2010286	1
S2010288	1
S2010289	1
S2010291	2
S2010293	9
S2010295	<1
S2010296	<1
S2010297	<1
S2010298	1
S2010299	1
S2010301	5
S2010302	<1
S2010304	6
S2010305	30
S2010307	6
S2010308	9
S2010309	4
S2010310	<1
S2010311	<1
S2010312	1
S2010313	2
S2010314	NSS
S2010315	<1
S2010401	1
S2010403	<1
S2010404	<1
S2010405	<1
S2010406	<1
S2010408	<1
S2010409	2
S2010410	1
S2010412	1
S2010413	47
S2010414	6
S2010415	7
S2010416	<1
S2010417	5
S2010419	2
S2010420	<1
S2010421	<1
S2010423	<1
S2010425	2
S2010427	3
S2010429	24
S2010431	1
S2010432	<1
S2010434	13
S2010435	28
S2010437	<1
S2010439	<1
S2010441	<1
S2010442	3

NSS - NOT SUFFICIENT SAMPLE

EAST GRID

EAST GRID

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: AMOCO CANADA PETROLEUM CO.,
65 QUEEN ST. W., SUITE 2010,
TORONTO, ONTARIO.
M5H 2M5

REPORT 7993 REF. FILE 4483-Q3

36 ROCKS RE: SEEBER LAKE SUBMITTED ON 11-JUL-80

WERE ANALYSED AS FOLLOWS:

	UNITS	METHOD	DETECTION LIMIT
AU	PPB	FA-NA	1.000
CU	PPM	AA	1.000
ZN	PPM	AA	1.000
AG	PPM	AA	1.000

DATE 20-AUG-80

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY J. Opdebeeck

per J.H. OPDEBEECK

Reco.

X-RAY ASSAY LABORATORIES 20-AUG-80 REPORT 7993 REF. FILE 4483-Q3 PAGE 1

SAMPLE	AU PPB	CU PPM	ZN PPM	AG PPM
S201085	<1	6	7	<1
S201086	28	8	8	<1
S201087	5	8	5	<1
S201088	10	24	5	<1
S201089	<1	98	18	<1
S201090	43	13	22	<1
S201091	38	9	4	<1
S201092	<1	9	5	<1
S201093	<1	19	6	<1
S201094	11	810	6	1
S201095	4	8	1	<1
S201096	1	77	7	<1
S201097	3	68	8	<1
S201098	10	64	6	<1
S201099	3	24	3	<1
S201100	7	46	2	<1
S201101	4	130	8	<1
S201102	5	200	11	<1
S201103	7	170	2	<1
S201104	4	12	1	3
S201105	4	440	16	<1
S201106	<1	37	3	<1
S201107	10	61	8	<1
S201108	10	51	8	<1
S201109	2	68	5	<1
S201110	2	64	4	<1
S201111	5	95	7	<1
S201112	12	15	3	<1
S201201	2	170	6	<1
S201202	6	6	7	<1
S201203	<1	18	13	<1
S201204	20	360	54	<1
S201205	<1	9	4	<1
S201206	14	45	9	<1
S201207	5	180	20	<1
S201208	<1	7	8	<1

EAST GRID

not Reco. Greg's nos.

X-RAY ASSAY LABORATORIES 21-AUG-80 REPORT 8008 REF. FILE 3967-BR PAGE 1

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
209094	<1	15	15	<1
209095	2	20	20	2
209096	2	15	5	5
209097	2	25	5	4
209098	2	<5	5	4
209099	2	15	20	8
209100	<1	5	10	2
209101	<1	10	5	3
209102	1	5	5	3
209103	<1	<5	<5	18
209104	1	<5	15	2
209105	<1	5	15	2
209106	2	10	5	1
209107	3	10	15	3
209108	<1	10	15	3
209109	1	5	15	4
209110	<1	5	10	4
209111	2	15	25	8
209112	<1	15	35	1
209113	<1	10	15	2
209114	<1	10	10	2
209115	<1	15	5	1
209116	2	10	10	3
209117	<1	10	10	1
209118	2	15	15	<1
209119	NSS	<5	25	NSS
209120	<1	20	35	5
209121	<1	15	25	4
209122	<1	15	5	1
209123	1	5	10	2
209124	<1	10	<5	1
209125	<1	10	20	3
209126	2	10	10	10
209127	2	10	30	5
209128	<1	15	10	1
209129	<1	10	10	2
209130	1	15	50	5
209131	<1	15	20	4
209132	1	10	55	3
209133	1	15	30	4
209134	2	10	15	5
209135	<1	10	15	3
209136	2	15	25	2
209137	2	25	40	3
209138	<10	35	15	2
209139	<1	10	15	4
209140	2	15	10	3
209141	<1	10	5	2
209142	<1	10	5	1
209143	<1	<5	5	2
209144	<1	15	15	3
209145	<1	10	20	5
209146	<1	15	<5	1
209147	<1	5	10	2
209148	<1	15	5	2

L 480E

EAST GRID

SANDY SAMPLE; Jul 11.10

L 240E

Cutline

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM	
209149	2	55	10	<1	
209150	<1	5	25	5	
209151	<1	10	5	4	L 240E
209152	<1	15	10	3	
209153	<1	10	25	4	
209154	<1	15	10	2	
209155	2	40	10	<1	
209156	3	25	25	4	
209157	2	20	15	4	
209158	<1	25	5	<1	
209159	<1	20	20	2	
209160	1	20	25	3	
210215	<1	10	10	2	
210216	<1	5	5	2	
210217	<1	5	10	2	
210218	<1	<5	5	5	
210219	<1	<5	<5	3	
210220	<1	15	5	6	
210221	<1	15	10	17	L 1200E
210222	<1	5	10	3	
210223	<1	<5	<5	2	
210224	<1	10	5	1	
210225	<1	15	<5	1	
210226	<1	15	15	1	
210227	1	<5	10	9	
210228	<1	15	10	3	
210229	1	10	5	3	
210230	1	10	10	2	
210231	<1	10	10	3	
210232	1	15	15	65	Fort Grind
210233	1	10	15	4	
210234	<1	10	15	6	
210235	2	15	20	2	
210236	<1	10	<5	<1	
210237	<1	20	45	4	
210238	1	30	15	1	L 1200E
210239	1	30	20	3	
210240	NH	NH	NH	NH	
210241	2	10	10	2	
210242	<1	10	10	6	
210243	1	5	5	3	
210244	3	15	15	1	
210245	<1	20	<5	<1	L 1440E
210246	1	5	<5	1	
210247	<1	15	10	1	
210248	<1	5	35	3	
210249	<1	5	5	4	
210250	<1	10	5	13	
210251	<1	10	5	21	
210252	2	10	5	2	
210253	<1	10	5	2	
210254	<1	10	5	4	
210255	<1	<5	10	4	
210256	<1	15	5	2	
210257	<1	5	5	3	
210258	<1	20	5	16	

Entered.

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
210259	<1	20	15	2
210260	1	15	20	2
210261	<1	5	5	2
210262	<1	<5	20	3
210263	<1	15	10	4
210264	1	15	20	2
210265	<1	<5	10	3
210266	<1	10	5	17
210267	<1	10	15	5
210268	<1	15	10	8
210269	<1	10	20	17
210270	<1	15	25	12
210271	<1	10	20	2
210272	1	15	20	4
210273	<1	10	5	1
210274	<1	10	5	<1
210275	<1	10	5	3
210276	<1	10	10	12
210277	<1	<5	5	2
210278	<1	15	10	2
210279	<1	5	<5	1
210280	<1	10	10	2
210281	1	10	15	3
210282	<1	20	5	<1
210283	<1	30	5	<1
210284	2	10	15	2
210285	1	25	5	<1
210286	3	5	10	3
210287	<1	15	15	2
210288	2	30	10	1
210289	<1	15	20	3
210290	NSS	10	5	NSS
210291	2	20	10	2
210292	<1	15	15	2
210293	1	40	<5	<1
210294	<1	10	20	3
210295	<1	15	15	4
210296	<1	10	<5	2
210297	<1	10	5	2
210298	1	10	10	1
210299	<1	15	10	3
210300	<1	10	10	2
210301	<1	5	10	3
210302	<1	5	5	3
210303	<1	5	10	3
210304	<1	15	10	9
210305	<1	10	15	16
210306	<1	5	15	9
210307	<1	15	<5	4
210308	2	10	5	7
210309	1	10	5	<1
210310	<1	10	10	<1
210311	<1	15	5	1
210312	<1	20	20	2
210313	1	5	20	2
210314	<1	5	10	1

L1440E

L1920E

L1920E

1920E

2640E

21

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
210315	<1	<5	5	1
210316	<1	<5	15	1
210317	<1	15	10	1
210318	<1	15	10	<1
210319	1	<5	<5	1
210320	<1	15	10	<1
210321	<1	10	<5	1
210322	<1	25	10	1
210323	1	50	10	<1
210324	<1	15	5	2
210325	2	25	5	14
210326	2	180	5	<1
210327	1	60	10	1
210328	<1	25	10	6
210329	<1	20	5	2
210330	<1	10	10	1
211166	<1	10	5	2
211167	<1	5	10	1
211168	<1	10	10	3
211169	1	15	10	5
211170	<1	40	35	1
211171	98	15	45	2
211172	<1	10	20	1
211173	<1	20	15	2
211174	NH	10	10	NH
211175	<1	10	10	2
211176	4	10	10	2
211177	<1	<5	5	3
211178	<1	10	10	2
211179	1	5	20	3
211180	<1	10	10	2
211181	1	15	<5	1
211182	<1	15	35	4
211183	<1	15	15	2
211184	1	15	10	2
211185	1	<5	5	1
211186	<1	15	25	2
211187	<1	25	5	1
211188	2	10	10	3
211189	<1	15	10	2
211190	2	20	5	2
211191	<1	20	15	4
211192	NH	10	15	NH
211193	5	15	15	3
211194	<1	5	<5	2
211195	<1	15	35	5
211196	<1	50	<5	3
211197	1	5	10	2
211198	NH	NH	NH	NH
211199	<1	20	30	3
211200	<1	15	5	1
211201	<1	15	35	2
211202	5	20	15	5
211203	2	10	10	1
211204	<1	15	10	1
211205	<1	10	5	5

2640E

1200W

960W

East grid

720W

480W

extend

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
211206	<1	15	10	2
211207	<1	10	25	6
211208	<1	15	10	1
211209	2	5	20	1
211210	<1	10	5	2
211211	<1	15	20	2
211212	<1	10	5	4
211213	1	5	10	4
211214	2	20	15	3
211215	3	15	25	4
211216	3	25	15	4
211217	<1	<5	15	1
211218	<1	15	5	2
211219	2	10	10	2
211220	<1	<5	15	4
211221	<1	10	10	3
211222	<1	15	5	1
211223	<1	5	15	1
211224	<1	20	<5	2
211225	<1	10	10	6
211226	<1	15	5	1
211227	<1	15	10	1
211228	<1	10	<5	3
211229	<1	10	5	3
211230	1	10	30	2
211231	<1	<5	10	1
211232	2	5	20	<1
211233	<1	10	5	1
211234	NH	NH	NH	NH
211235	2	5	<5	<1
211236	NH	NH	NH	NH
211237	NH	10	20	NH
211238	NH	10	5	NH
211239	<1	10	15	3
211240	1	25	<5	2
211241	NH	15	5	NH
211242	<1	10	15	2
211243	<1	5	40	4
211244	<1	10	25	2
211245	<1	10	25	2
211246	2	10	25	3
211247	2	5	<5	3
211248	<1	10	30	4
211249	<1	<5	20	6
211250	<1	10	5	5
211251	<1	5	10	28
211252	<1	10	10	4
211253	<1	5	25	5
211254	<1	<5	10	2
211255	<1	5	10	2
211256	<1	<5	55	2
211257	<1	10	10	1
211258	<1	5	5	3
211259	<1	10	15	4
211260	2	10	20	3
211261	<1	10	25	2

240 W

720 E

East of

240 E

Extension

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
211262	NH	5	20	NH
211263	1	10	10	1
211264	<1	15	20	3
211265	2	10	10	<1
211266	<1	<5	5	2
211267	<1	5	10	3
211268	2	<5	20	6
211269	<1	5	<5	2
211270	<1	10	<5	1
211271	<1	<5	25	3
211272	<1	20	45	3
211273	<1	<5	15	3
211274	<1	10	5	2
211275	<1	10	<5	1
211276	<1	<5	15	5
211277	2	10	15	4
211278	1	5	20	13
211279	1	5	15	7
211280	<1	15	10	2
211281	<1	5	<5	3
211282	1	10	<5	3
211283	2	<5	<5	3
211284	1	<5	<5	6
211285	<1	<5	10	6
211286	<1	10	5	6
211287	2	10	10	4
211288	1	<5	15	5
211289	<1	10	10	2
211290	<1	15	10	7
211291	<1	15	5	3
211292	<1	<5	10	1
211293	<1	10	10	4
211294	<1	20	15	3
211295	4	15	15	3
211296	2	15	15	1
211297	NH	10	10	NH
211298	NH	NH	NH	NH
211299	<1	5	5	1
211300	<1	15	15	2
211301	<1	10	15	<1
211302	<1	5	5	3
211303	<1	20	10	3
211304	<1	10	15	2
211305	<1	10	25	5
211306	<1	10	10	1
211307	2	15	15	1
211308	<1	5	10	2
211309	1	5	15	1
211310	<1	10	25	3
211311	<1	10	10	2
211312	<1	10	10	1
211313	<1	10	10	3
211314	1	10	15	1
211315	<1	10	15	1
211316	<1	10	20	3
211317	<1	10	40	3

240E

2880E

East grid.

Extended

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
211318	1	10	30	4
211319	<1	<5	20	5
211320	<1	<5	5	2
211321	<1	15	5	2
211322	<1	<5	<5	37
211323	1	10	10	4
211324	2	10	5	28
211325	<1	10	10	5
211326	2	10	5	4
211327	<1	15	5	3
211328	<1	15	5	5
211329	<1	5	<5	2
211330	<1	<5	15	4
211331	<1	10	5	1
211332	1	20	15	4
211333	<1	10	15	4
211334	NH	5	10	NH
211335	NH	10	10	NH
211336	<1	10	20	2
211337	<1	15	5	3
211338	1	15	5	4
211339	<1	5	<5	5
211340	<1	<5	15	2
211341	<1	15	15	2
211342	<1	<5	5	2
211343	<1	5	10	2
211344	<1	5	20	3
211345	<1	5	10	2
211346	<1	10	10	2
211347	<1	5	5	1
211348	<1	15	15	2
211349	<1	<5	5	2
211350	<1	25	<5	1
211351	1	<5	5	2
212151	2	15	20	3
212152	<1	15	10	2
212153	<1	15	10	2
212154	2	20	10	<1
212155	<1	5	5	<1
212156	<1	10	5	1
212157	<1	15	5	1
212158	<1	5	5	1
212159	<1	30	10	2
212160	2	10	15	3
212161	<1	5	10	2
212162	3	10	10	3
212163	<1	15	10	2
212164	2	10	10	2
212165	<1	20	5	1
212166	<1	10	10	2
212167	NH	10	15	NH
212168	NH	10	30	NH
212169	<1	10	15	1
212170	<1	15	<5	1
212171	<1	25	15	<1
212172	<1	15	5	<1

2640E

2880E

Grid

1680E

entire

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
212173	<1	15	5	<1
212174	<1	20	15	2
212175	8	5	5	4
212176	<1	15	10	1
212177	<1	15	5	1
212178	<1	10	10	1
212179	<1	15	10	1
212180	2	5	10	1
212181	<1	15	10	1
212182	<1	15	25	3
212183	1	15	20	4
212184	<1	10	10	<1
212185	<1	15	10	1
212186	<1	10	20	2
212187	1	20	5	1
212188	<1	15	10	5
212189	<1	10	10	1
212190	<1	15	15	2
212191	2	10	10	1
212192	<1	15	5	2
212193	<1	5	5	1
212194	4	5	5	1
212195	1	<5	<5	2
212196	1	10	5	2
212197	<1	15	5	6
212198	<1	10	5	3
212199	2	10	10	7
212200	<1	5	5	3
212201	<1	10	10	<1
212202	<1	10	5	3
212203	<1	15	5	5
212204	<1	5	5	1
212205	<1	<5	<5	2
212206	<1	20	5	4
212207	<1	15	15	2
212208	3	5	10	1
212209	NH	5	5	NH
212210	2	10	25	3
212211	1	10	<5	1
212212	<1	15	5	1
212213	<1	10	<5	<1
212214	1	<5	5	2
212215	2	10	15	2
212216	<1	10	15	1
212217	3	15	15	2
212218	NH	NH	NH	NH
212219	NH	15	5	NH
212220	NH	10	5	NH
212221	<1	15	5	2
212222	<1	15	30	3
212223	<1	30	5	1
212224	<1	15	15	3
212225	1	20	<5	2
212226	1	10	45	5
212227	<1	<5	25	4
212228	<1	15	10	<1

1680E

cut grid

2160E

Extend

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
212229	<1	10	5	9
212230	<1	10	5	2
212231	<1	10	20	2
212232	1	20	5	4
212233	3	20	5	2
212234	<1	20	5	3
212235	2	<5	55	3
212236	<1	15	25	5
212237	<1	5	10	3
212238	1	10	5	1
212239	1	10	5	3
212240	<1	15	10	1
212241	<1	10	<5	2
212242	<1	10	5	1
212243	<1	10	5	3
212244	2	10	10	2
212245	<1	15	10	1
212246	<1	10	5	1
212247	<1	10	<5	1
212248	<1	10	5	<1
212249	<1	10	5	<1
212250	1	10	10	1
212251	<1	10	5	1
212252	<1	20	10	<1
212253	1	15	20	4
212254	1	20	10	3
212255	<1	20	25	4
212256	3	20	5	2
212257	<1	15	10	2
212258	<1	10	10	2
212259	<1	15	10	4
212260	<1	10	10	5
212262	2	20	5	2
212263	NSS	20	5	NSS
212264	<1	20	15	<1
212265	NH	NH	NH	NH
212266	2	10	10	1
212267	4	5	10	3
212268	NH	10	5	NH
212269	4	10	15	3
212270	<10	1095	25	<1
212271	<1	5	5	<1
212272	<1	10	5	1
212273	<1	10	5	<1
212274	<1	5	5	1
212275	1	<5	<5	17
212276	2	110	10	5
212277	<1	15	5	3
212278	<1	25	5	6
212279	<1	15	15	3
212280	<1	35	20	4
212281	3	20	10	1
212282	<1	20	10	2
212283	<1	25	5	<1
212284	<1	10	15	1
212285	<1	15	20	3

3120E

3120E

east of grid

1440E

1200E

entered

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
212286	<1	25	15	1
212287	1	10	10	<1
212288	<1	10	15	4
212289	<1	<5	20	3
212290	NH	10	10	NH
212291	1	15	25	2
212292	<1	30	10	<1
212293	<1	20	5	<1
212294	<1	15	5	1
212295	1	20	5	<1
212296	<1	10	10	1
212297	<1	15	5	1
212298	1	15	15	1
212299	3	10	5	<1
212300	<1	20	5	<1
212301	<1	15	10	<1
212302	<1	15	10	<1
212303	<1	10	15	<1
212304	<1	5	5	1
212305	1	10	20	5
212306	2	15	10	4
212307	<1	10	5	<1
212308	<1	10	5	1
212309	1	20	10	1
212310	2	15	10	<1
212311	<1	5	10	<1
212312	1	5	5	<1
214023	<1	15	10	1
214024	<1	15	10	1
214025	<1	10	5	2
214026	1	10	15	3
214027	<1	15	5	1
214028	<1	10	10	2
214029	1	10	5	1
214030	2	10	10	<1
214031	<1	10	15	4
214032	1	10	25	3
214033	2	15	10	1
214034	<1	15	10	2
214035	<1	15	10	2
214036	<1	15	<5	1
214037	1	10	10	3
214038	2	20	40	4
214039	<1	15	10	2
214040	1	10	5	1
214041	1	10	30	6
214042	1	20	15	3
214043	2	35	10	1
214044	2	35	20	3
214045	2	30	25	5
214046	1	20	35	5
214047	<1	20	15	3
214048	<1	35	<5	<1
214049	<1	10	10	4
214050	<1	5	10	2
214051	<1	25	20	1

LO

Cost fld

960E

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
214052	<1	25	10	2
214053	2	45	15	3
214054	1	5	40	6
214055	<1	25	25	3
214056	<1	20	5	3
214057	<1	10	5	30
214058	<1	5	<5	2
214059	<1	10	10	4
214060	<1	10	15	2
214061	<1	15	10	2
214062	1	10	5	1
214063	<1	15	5	<1
214064	<1	10	10	2
214065	<1	10	<5	2
214066	<1	10	5	1
214067	<1	10	5	5
214068	<1	15	5	3
214069	<1	<5	10	1
214070	1	15	5	3
214071	1	15	5	2
214072	1	20	5	1
214073	<1	10	10	1
214074	<1	5	5	<1
214075	2	15	15	<1
214076	<1	15	20	2
214077	<1	5	10	2
214078	<1	20	10	1
214079	<1	20	10	1
214080	<1	15	<5	6
214081	<1	20	15	5
214082	NH	NH	NH	NH
214083	<1	20	<5	1
214084	1	10	15	1
214085	<1	20	35	4
214086	1	15	10	<1
214087	<1	20	35	3
214088	<1	15	20	5
214089	<1	15	75	5
214090	<1	5	<5	1
214091	<1	20	5	3
214092	<1	<5	5	2
214093	3	10	10	2
214094	<1	20	15	3
214095	<1	15	5	2
214096	<1	5	5	2
214097	<1	15	<5	1
214098	<1	20	10	1
214099	<1	10	5	4
214100	1	<5	10	3
214101	2	15	5	<1
214102	1	15	15	13
214103	<1	10	25	4
214104	<1	10	10	10
214105	<1	25	15	5
214106	2	10	10	4
214107	1	15	20	4

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
214108	<1	10	10	3
214109	<1	10	35	3
214110	<1	15	10	3
214111	<1	5	25	5
214112	<1	10	30	5
214113	<1	<5	30	3
214114	1	15	35	3
214115	1	5	10	3
214116	<1	10	10	3
214117	<1	<5	10	4
214118	<1	10	10	3
214119	<1	10	35	4
214120	<1	10	35	3
214121	<1	10	20	2
214122	<1	5	10	3
214123	<1	10	5	15
214124	2	5	10	5
214125	<1	20	20	4
214126	2	10	20	4
214127	1	10	10	2
214128	<1	5	15	2
214129	<1	10	10	3
214130	<1	80	20	3
214131	<1	10	35	4
214132	3	5	10	2
214133	<1	10	5	1
214134	<1	25	5	2
214135	<1	15	10	1
214136	<1	20	10	3
214137	<1	10	15	3
214138	<1	10	10	3
214139	<1	<5	20	2
214140	<1	15	25	2
214141	<1	15	5	2
214142	2	10	10	2
214143	<1	15	10	3
214144	<1	10	25	2
214145	2	10	5	2
214146	<1	15	15	3
214147	<1	10	10	4
214148	<1	10	25	4
214149	<1	10	15	3
214150	<1	10	45	4
214151	<1	15	20	4
214152	1	15	15	3
214153	<1	10	10	24
214154	<1	20	15	10
214155	<1	10	10	3
214156	<1	15	5	3
214157	<1	5	<5	2
214158	2	15	10	1
214159	<1	10	5	1
214160	<1	5	5	1
214161	<1	15	10	4
214162	<1	20	10	4
214163	<1	25	5	2

2400E

Cut grid

2160E.

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
214164	<1	25	5	1
214165	<1	25	20	5
214166	<1	45	5	2
214167	1	30	35	3
214168	1	<5	10	3
214169	1	10	10	4
214170	<1	15	5	<1
214171	<1	5	5	2
214172	<1	20	5	<1
214173	<1	15	5	<1
214174	<1	15	10	<1
214175	1	10	10	1
214176	<1	10	5	1
214177	<1	15	<5	1
214178	<1	15	10	2
214179	1	<5	10	2
214180	<1	15	5	<1
214181	<1	10	10	1
214182	<1	10	10	1
214183	2	15	10	2
214184	1	<5	15	2
214185	1	15	5	3
215026	<1	15	25	4
215027	<1	10	15	3
215028	2	20	5	4
215029	<1	15	20	1
215030	<1	10	10	2
215031	4	10	25	2
215037	<1	10	10	1
215038	3	10	10	8
215039	<1	15	10	1
215041	<1	15	10	3
215042	<1	15	20	2
215043	<1	<5	30	1
215044	<1	<5	30	9
215045	1	<5	20	4
215046	1	10	5	2
215047	2	10	15	2
215051	1	15	15	2
215053	<1	10	10	1
215054	<1	10	15	3
215056	<1	5	10	2
215057	<1	15	15	2
215062	<1	10	5	2
215064	<1	10	10	4
215065	1	15	5	4
215067	<1	5	10	4
215069	<1	5	35	4
215070	<1	10	20	3
215071	<1	15	35	4
218485	<1	15	60	<1
218486	<1	<5	35	<1
218487	<1	15	35	<1
218488	<1	10	40	<1
218489	<1	10	30	1
218490	<1	5	15	<1

CNA.

2400E

Baghad

1200W

960W

720W

480W

1200E

cont.

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM	
218491	<1	10	35	1	
218492	<1	5	65	<1	1440E
218493	1	10	25	<1	
218494	<1	5	50	<1	
218495	<1	15	40	<1	
218496	<1	10	20	1	
218497	<1	10	35	<1	
218498	<1	5	30	1	
218499	<1	15	40	<1	
218500	<1	5	100	<1	
218501	<1	15	80	1	
218502	<1	10	110	<1	1920 E
218503	<1	<5	40	1	
218504	1	15	40	1	
218505	<1	<5	45	2	
218506	<1	5	160	<1	
218507	<1	5	150	1	
218508	<1	<5	100	<1	
218509	<1	5	110	<1	
218510	<1	<5	20	2	
218511	<1	5	115	<1	
218512	1	5	15	<1	
218513	<1	10	35	<1	
218514	<1	5	40	<1	2640E
218515	1	10	45	1	
218516	1	5	70	<1	3120E
218517	<1	20	75	2	
218518	2	10	55	1	
218519	<1	5	165	<1	3360E
218520	<1	15	100	<1	
218682	<1	<5	35	<1	
218683	2	<5	40	2	1200W
218684	<1	10	30	<1	
218685	<1	10	40	<1	
218686	<1	10	40	<1	
218687	1	15	25	<1	
218688	1	15	30	<1	960W
218689	<1	10	60	<1	
218690	<1	<5	35	1	
218691	<1	15	45	1	
218692	<1	15	35	<1	720W
218693	<1	25	70	<1	
218694	<1	10	30	<1	
218695	<1	10	45	1	480W
218696	<1	<5	40	<1	720E
218697	<1	10	210	<1	2880E
218913	<1	10	80	<1	
218914	<1	10	45	<1	
218915	<1	15	45	<1	1680E
218916	<1	10	45	<1	
218917	<1	10	50	<1	
218918	<1	10	50	<1	
218919	<1	10	60	<1	
218920	<1	10	45	<1	2160E
218921	<1	15	25	<1	
218922	<1	20	40	<1	

cont. + 0,0

end. EAST GRID

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM	
218923	<1	15	30	<1	2160E
218924	1	10	50	<1	
218925	<1	10	60	<1	
218926	<1	20	40	1	
218927	<1	10	55	<1	
218928	<1	10	15	1	3120E
218929	<1	10	20	3	
218930	1	15	55	1	
218931	<1	<5	30	<1	0
218932	<1	10	35	<1	
218933	<1	10	55	<1	
218934	<1	<5	40	<1	3840E
218935	<1	5	80	<1	
218936	<1	15	75	<1	
218940	<1	10	175	<1	4080E
218941	<1	5	90	<1	
218942	<1	15	55	<1	
219227	<1	5	30	<1	
219228	<1	5	35	<1	
219229	<1	10	50	<1	
219230	<1	15	20	1	960E
219231	<1	5	20	<1	
219232	<1	10	45	<1	
219233	<1	25	35	<1	
219234	<1	10	60	2	720E
219235	<1	15	80	<1	0
219236	<1	10	35	<1	
219237	<1	20	55	<1	
219238	<1	10	140	<1	
219239	<1	5	55	<1	2400E
219240	1	15	35	<1	
219241	1	15	60	1	
219242	1	5	75	1	2160E
219243	1	10	150	1	
219244	1	10	35	<1	2400E
219427	<1	10	85	<1	
219428	1	10	35	<1	
219429	1	15	25	<1	1200E
219430	<1	10	25	<1	
219431	<1	15	25	<1	
219432	<1	5	55	<1	
219433	<1	<5	35	<1	960W
219434	1	10	40	<1	
219435	1	20	100	<1	
219436	1	10	55	<1	
219437	2	<5	105	<1	720W
219438	<1	15	20	1	
219439	<1	15	30	1	
219440	<1	15	50	<1	
219441	<1	10	35	<1	
219442	<1	10	35	<1	
219443	1	15	55	1	480W
219444	<1	10	30	<1	

NSS - NOT SUFFICIENT SAMPLE
NH - NOT HUMUS

Amoco - Seeber Lake EAST GRID ent.

X-RAY ASSAY LABORATORIES 27-AUG-80 REPORT 0 REF. FILE 4063-BR PAGE 1

SAMPLE	AU PPB	CU	ZN	AS PPM
N.R.— S210242	<1	TBR	TBR	
S210331	<1	TBR	TBR	1
S210332	<1	TBR	TBR	1
S210333	1	TBR	TBR	2
S210334	<1	TBR	TBR	<1
S210335	1	TBR	TBR	2
S210336	2	TBR	TBR	2
S210337	3	TBR	TBR	6
S210338	1	TBR	TBR	9
S210339	<1	TBR	TBR	3
S210340	2	TBR	TBR	6
N.R.— S210340A	<1	TBR	TBR	3
S210341	2	TBR	TBR	4
S210342	1	TBR	TBR	6
S210343	1	TBR	TBR	3
S210344	2	TBR	TBR	7
S210345	<1	TBR	TBR	4
S210346	<1	TBR	TBR	9
S210347	1	TBR	TBR	10
S210348	1	TBR	TBR	1
S210349	2	TBR	TBR	2
S210350	<1	TBR	TBR	2
S210351	2	TBR	TBR	3
S210352	<1	TBR	TBR	2
S210353	2	TBR	TBR	1
S210354	<1	TBR	TBR	1
S210355	1	TBR	TBR	2
S210356	<1	TBR	TBR	2
S210357	<1	TBR	TBR	<1
S210358	1	TBR	TBR	1
S210359	<1	TBR	TBR	2
S210360	3	TBR	TBR	3
S210361	<1	TBR	TBR	7
S210362	<1	TBR	TBR	15
S210363	1	TBR	TBR	5
S210364	<1	TBR	TBR	11
S210365	<1	TBR	TBR	17
S210366	3	TBR	TBR	9
S210367	<1	TBR	TBR	2
S210368	<1	TBR	TBR	1
S210369	<1	TBR	TBR	4
S210370	<1	TBR	TBR	2
S210371	1	TBR	TBR	2
S210372	<1	TBR	TBR	5
S210373	<1	TBR	TBR	2
S210374	<1	TBR	TBR	2
S210375	<1	TBR	TBR	<1
S210376	<1	TBR	TBR	1
S210377	<1	TBR	TBR	2
S210378	<1	TBR	TBR	2
S210379	<1	TBR	TBR	1
S210380	<1	TBR	TBR	2
S210381	<1	TBR	TBR	2
S210382	<1	TBR	TBR	3
S210383	<1	TBR	TBR	2

3120E

3360E

SAMPLE	AU PPB	CU	ZN	AS PPM
S210384	<1	TBR	TBR	4
S210385	<1	TBR	TBR	3
S210386	<1	TBR	TBR	6
S210387	1	TBR	TBR	4
S210388	<1	TBR	TBR	6
S210389	NSS	TBR	TBR	NSS
S210390	<1	TBR	TBR	3
S210391	1	TBR	TBR	1
S210392	<1	TBR	TBR	2
S210393	<1	TBR	TBR	2
S210394	<1	TBR	TBR	3
S210395	<1	TBR	TBR	2
S210396	1	TBR	TBR	4
S210397	<1	TBR	TBR	4
S210398	<1	TBR	TBR	3
S210399	<1	TBR	TBR	2
S210400	<1	TBR	TBR	3
S210401	2	TBR	TBR	2
S210402	2	TBR	TBR	3
S210403	<1	TBR	TBR	5
S210404	NSS	TBR	TBR	NSS
S210405	NSS	TBR	TBR	NSS
S210406	<1	TBR	TBR	3
S210407	NSS	TBR	TBR	NSS
S210408	<1	TBR	TBR	1
S210409	1	TBR	TBR	<1
S210410	1	TBR	TBR	2
S210411	NSS	TBR	TBR	NSS
S210412	NSS	TBR	TBR	NSS
S210413	1	TBR	TBR	2
S210414	1	TBR	TBR	2
S210415	2	TBR	TBR	3
S210416	<1	TBR	TBR	2
S210417	3	TBR	TBR	1
S210418	2	TBR	TBR	2
S210419	<1	TBR	TBR	4
S210420	<1	TBR	TBR	4
S210421	1	TBR	TBR	2
S210422	<1	TBR	TBR	4
S210423	3	TBR	TBR	4
S210424	2	TBR	TBR	2
S210425	2	TBR	TBR	2
S210426	2	TBR	TBR	2
S210427	2	TBR	TBR	7
S210428	2	TBR	TBR	4
S210429	3	TBR	TBR	4
S210430	2	TBR	TBR	6
S210431	<1	TBR	TBR	6
S210432	5	TBR	TBR	4
S210433	4	TBR	TBR	1
S210434	<1	TBR	TBR	2
S210435	<1	TBR	TBR	1
S210436	1	TBR	TBR	4
S210437	NH	TBR	TBR	NH
S210438	<1	TBR	TBR	6
S210439	1	TBR	TBR	9

3360E

5040E

East Grid

4800E

SAMPLE	AU PPB	CU	ZN	AS PPM
S210441	4	TBR	TBR	7
S210443	2	TBR	TBR	4
S210444	<1	TBR	TBR	6
S210445	<1	TBR	TBR	6
S210446	3	TBR	TBR	2
S210447	5	TBR	TBR	3
S210448	<1	TBR	TBR	<1
S210449	4	TBR	TBR	8
S211352	2	TBR	TBR	3
S211353	<1	TBR	TBR	1
S211354	<1	TBR	TBR	3
S211355	<1	TBR	TBR	3
S211356	<1	TBR	TBR	1
S211357	<1	TBR	TBR	2
S211358	<1	TBR	TBR	2
S211359	<1	TBR	TBR	1
S211360	2	TBR	TBR	2
S211361	<1	TBR	TBR	4
S211362	2	TBR	TBR	2
S211363	2	TBR	TBR	1
S211364	5	TBR	TBR	3
S211365	2	TBR	TBR	3
S211366	3	TBR	TBR	4
S211367	<1	TBR	TBR	4
S211368	<1	TBR	TBR	6
S211369	2	TBR	TBR	3
S211370	3	TBR	TBR	3
S211371	2	TBR	TBR	3
S211372	2	TBR	TBR	4
S211373	6	TBR	TBR	3
S211374	<1	TBR	TBR	<1
S211375	3	TBR	TBR	<1
S211376	2	TBR	TBR	1
S211377	4	TBR	TBR	9
S211378	5	TBR	TBR	29
S211379	<1	TBR	TBR	3
S211380	3	TBR	TBR	5
S211381	<1	TBR	TBR	3
S211382	1	TBR	TBR	4
S211383	<1	TBR	TBR	2
S211384	<1	TBR	TBR	4
S211385	<1	TBR	TBR	4
S211386	<1	TBR	TBR	1
S211387	3	TBR	TBR	4
S211388	1	TBR	TBR	3
S211389	<1	TBR	TBR	5
S211390	<1	TBR	TBR	3
S211391	<1	TBR	TBR	3
S211392	6	TBR	TBR	10
S211393	<1	TBR	TBR	10
S211394	3	TBR	TBR	4
S211395	2	TBR	TBR	3
S211396	1	TBR	TBR	13
S211397	<1	TBR	TBR	11
S211398	<1	TBR	TBR	3
S211399	<1	TBR	TBR	1

4800E

east grid

4560E

4320E

cont.

SAMPLE	AU PPB	CU	ZN	AS PPM
S211400	2	TBR	TBR	2
S211401	<1	TBR	TBR	2
S211402	1	TBR	TBR	<1
S211403	<1	TBR	TBR	8
S211404	<1	TBR	TBR	10
S211405	2	TBR	TBR	9
S211406	1	TBR	TBR	10
S211407	<1	TBR	TBR	3
S211408	<1	TBR	TBR	14
S211409	<1	TBR	TBR	4
S211410	6	TBR	TBR	5
S211411	<1	TBR	TBR	13
S211412	<1	TBR	TBR	3
S211413	4	TBR	TBR	4
S211414	1	TBR	TBR	3
S211415	<1	TBR	TBR	2
S212313	<1	TBR	TBR	4
S212314	<1	TBR	TBR	4
S212315	<1	TBR	TBR	<1
S212316	<1	TBR	TBR	2
S212317	4	TBR	TBR	4
S212318	<1	TBR	TBR	3
S212319	<1	TBR	TBR	2
S212320	<1	TBR	TBR	1
S212321	6	TBR	TBR	3
S212322	2	TBR	TBR	1
S212323	2	TBR	TBR	2
S212324	<1	TBR	TBR	1
S212325	<1	TBR	TBR	2
S212326	<1	TBR	TBR	2
S212327	<1	TBR	TBR	1
S212328	<1	TBR	TBR	2
S212329	<1	TBR	TBR	3
S212330	<1	TBR	TBR	2
S212331	2	TBR	TBR	2
S212332	NSS	TBR	TBR	NSS
S212333	<1	TBR	TBR	6
S212334	<1	TBR	TBR	3
S212335	<1	TBR	TBR	7
S212336	4	TBR	TBR	3
S212337	2	TBR	TBR	5
S212338	2	TBR	TBR	3
S212339	1	TBR	TBR	2
S212340	1	TBR	TBR	10
S212341	<1	TBR	TBR	12
S212342	<1	TBR	TBR	9
S212343	<1	TBR	TBR	6
S212344	<1	TBR	TBR	5
S212345	<1	TBR	TBR	8
S212346	<1	TBR	TBR	5
S212347	2	TBR	TBR	5
S212348	3	TBR	TBR	2
S212349	NH	TBR	TBR	NH
S212350	3	TBR	TBR	3
S212351	<1	TBR	TBR	2
S212352	3	TBR	TBR	3

4320E

East grid

3840E

4080E

cut

SAMPLE	AU PPB	CU	ZN	AS PPM
S212353	<1	TBR	TBR	3
S212354	<1	TBR	TBR	2
S212355	<1	TBR	TBR	2
S212356	<1	TBR	TBR	7
S212357	<1	TBR	TBR	3
S212358	1	TBR	TBR	3
S212359	1	TBR	TBR	2
S212360	2	TBR	TBR	2
S212361	<1	TBR	TBR	<1
S212362	1	TBR	TBR	1
S212363	<1	TBR	TBR	2
S212364	<1	TBR	TBR	1
S212365	<1	TBR	TBR	3
S212366	1	TBR	TBR	2
S212367	1	TBR	TBR	3
S212368	<1	TBR	TBR	3
S212369	1	TBR	TBR	2
S212370	<1	TBR	TBR	4
S212371	1	TBR	TBR	3
S212372	<1	TBR	TBR	1
S212373	1	TBR	TBR	2
S212374	NH	TBR	TBR	NH
S212375	<1	TBR	TBR	3
S212376	1	TBR	TBR	3
S212377	2	TBR	TBR	2
S212378	<1	TBR	TBR	<1
S212379	NH	TBR	TBR	NH
S212380	1	TBR	TBR	2
S212381	NH	TBR	TBR	NH
S212382	<1	TBR	TBR	4
S212383	1	TBR	TBR	3
S212384	2	TBR	TBR	3
S212385	2	TBR	TBR	2
S212386	2	TBR	TBR	2
S212387	<1	TBR	TBR	<1
S212388	<1	TBR	TBR	1
S212389	<1	TBR	TBR	3
S212391	1	TBR	TBR	3
S212392	2	TBR	TBR	5
S212393	2	TBR	TBR	4
S212394	<1	TBR	TBR	4
S212395	<1	TBR	TBR	7
S212396	1	TBR	TBR	3
S212397	5	TBR	TBR	6
S212398	<1	TBR	TBR	5
S214186	NH	TBR	TBR	NH
S214187	1	TBR	TBR	3
S214188	<1	TBR	TBR	2
S214189	1	TBR	TBR	1
S214190	<1	TBR	TBR	3
S214191	1	TBR	TBR	4
S214192	1	TBR	TBR	4
S214193	3	TBR	TBR	9
S214194	1	TBR	TBR	6
S214195	1	TBR	TBR	1
S214196	<1	TBR	TBR	1

4080E

East End

4080E

5040E

3600E

SAMPLE	AU PPB	CU	ZN	AS PPM
S214197	4	TBR	TBR	5
S214198	4	TBR	TBR	1
S214199	1	TBR	TBR	1
S214200	<1	TBR	TBR	<1
S214201	<1	TBR	TBR	2
S214202	2	TBR	TBR	1
S214203	NH	TBR	TBR	NH
S214204	2	TBR	TBR	2
S214205	<1	TBR	TBR	4
S214206	2	TBR	TBR	3
S214207	2	TBR	TBR	5
S214208	<1	TBR	TBR	5
S214209	<1	TBR	TBR	6
S214210	1	TBR	TBR	7
S214211	1	TBR	TBR	4
S214212	<1	TBR	TBR	2
S214213	<1	TBR	TBR	3
S214214	<1	TBR	TBR	2
S214215	2	TBR	TBR	4
S214216	<1	TBR	TBR	3
S214217	<1	TBR	TBR	4
S214218	<1	TBR	TBR	3
S214219	1	TBR	TBR	4
S214220	<1	TBR	TBR	2
S214221	<1	TBR	TBR	<1
S214222	<1	TBR	TBR	2
S214223	<1	TBR	TBR	2
S214224	<1	TBR	TBR	1
S214225	<1	TBR	TBR	<1
S214226	<1	TBR	TBR	2
S214227	<1	TBR	TBR	1
S214228	3	TBR	TBR	2
S214229	<1	TBR	TBR	4
S214230	<1	TBR	TBR	4
S214231	4	TBR	TBR	7
S214232	2	TBR	TBR	4
S214233	<1	TBR	TBR	3
S214234	<1	TBR	TBR	2
S214235	1	TBR	TBR	1
S214236	<1	TBR	TBR	2
S214237	<1	TBR	TBR	4
S214238	<1	TBR	TBR	3
S214239	<1	TBR	TBR	3
S214240	<1	TBR	TBR	5
S214241	<1	TBR	TBR	4
S214242	<1	TBR	TBR	2
S214243	<1	TBR	TBR	3
S214244	2	TBR	TBR	2
S214245	<1	TBR	TBR	2
S214246	<1	TBR	TBR	3
S214247	<1	TBR	TBR	3
S214248	<1	TBR	TBR	5
S214249	<1	TBR	TBR	8
S214250	<1	TBR	TBR	4
S214251	<1	TBR	TBR	4
S214252	<1	TBR	TBR	1

3600E

East Grid

3840E

cont.

SAMPLE	AU PPB	CU	ZN	AS PPM	
S214253	2	TBR	TBR	3	
S214254	<1	TBR	TBR	5	
S214255	3	TBR	TBR	2	
S214256	<1	TBR	TBR	5	
S214257	<1	TBR	TBR	4	
S214258	1	TBR	TBR	7	3840E
S214259	1	TBR	TBR	3	
S214260	<1	TBR	TBR	2	
S214261	<1	TBR	TBR	2	
S214262	<1	TBR	TBR	<1	
S214263	3	TBR	TBR	2	
S214264	<1	TBR	TBR	3	
S214265	<1	TBR	TBR	2	
S214266	<1	TBR	TBR	<1	
S214267	<1	TBR	TBR	2	
S214268	4	TBR	TBR	2	
S214269	1	TBR	TBR	3	
S214270	2	TBR	TBR	5	
S214271	<1	TBR	TBR	4	4320E
S214272	<1	TBR	TBR	1	
S214273	1	TBR	TBR	3	
S214274	1	TBR	TBR	4	
S218937	<1	TBR	TBR	<1	3840E
S218938	<1	TBR	TBR	<1	
S218939	1	TBR	TBR	<1	4080E
S219245	<1	TBR	TBR	1	
S219246	<1	TBR	TBR	1	
S219247	<1	TBR	TBR	<1	
S219248	<1	TBR	TBR	<1	
S219249	<1	TBR	TBR	<1	3600E
S219250	<1	TBR	TBR	1	
S219251	<1	TBR	TBR	<1	
S219252	<1	TBR	TBR	<1	
S219253	<1	TBR	TBR	1	
S219254	2	TBR	TBR	1	
S219255	<1	TBR	TBR	1	
S219256	<1	TBR	TBR	1	3840E
S219257	<1	TBR	TBR	1	
S219258	3	TBR	TBR	<1	4320E

Duplicate

ROCK CHIP SAMPLING

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

(23) PROJECT ...SEEBER LAKE.....

GRID ~~HOLE No.~~ .....EAST.....

COMPLETED BY .LARRY COOPER.....

DATE ...JULY 15/80...

SAMPLE No.	~~FROM~~ LINE	TO STA.	WIDTH	Au. PPb	Ag.	Cu.	~~Zn~~ ~~Pb~~ ~~Ni~~ ROCK TYPE	
200801	2190E	0+00		<1			mafic tuff	
200802	2160E	110S		<1			basic vol. flow	
* 200803	2160E	150S					basic vol. flow	
200804	2160E	180S		<1			basic vol. flow	
* 200805	2160E	210S					basic flow coarse grained 5-7% pyrite	
200806	2160E	260S		3			basic vol. flow 3-4% pyrite	
200807	2280E	630S		<1			basic vol. flow	
200808	2280E	320S		<1			basic vol. flow: 3% pyrite	
200809	2280E	255S		<1			basic vol. flow	
* 200810	2280E	240S					basic vol. flow	
200811	2280E	190S		1			basic vol. coarse grained	
200812	2280E	90S		<1			basic vol. flow	
200813	2280E	40S		<1			basic tuff or tuffite	
* 200814	2280E	20S					basic vol. tuff	
200815	2280E	0+00		4			basic vol tuff	
* 200816	2280E	30N					basic vol. tuff	
200817	2280E	60N		<1			basic vol. tuff	
200818	2340E	0+00		<1			basic vol tuff	
* 200819	2400E	0+00					basic vol. tuff	
200820	2400E	30N		<1			basic vol. flow 2% pyrite	
200821	2400E	60N		1			basic vol. flow	
200822	2400E	60S		<1			basic vol. coarse grained	
* 200823	2400E	90S					basic vol. flow	

* denotes samples returned to camp

ROCK CHIP SAMPLING

ASSAY DATA SHEET

Shipped on July 13/80

AMOCO CANADA PETROLEUM CO. LTD.

(22) PROJECT ...SEEBER LAKE..... GRID ~~HOLE No.~~ ..EAST.....

COMPLETED BY ..LARRY..COOPER.... DATE ..JULY 15/80.....

SAMPLE No.	~~FROM~~ LINE	~~TO~~ STA.	WIDTH	Au. PPb	Ag.	Cu.	~~Zn.~~ ~~Pb.~~ ~~Ni.~~ ROCK TYPE
200824	2400E	165S		<1			basic vol. flow
200825	2400E	240S		3			basic vol. trace pyrite
*200826	2400E	270S					basic vol. trace pyrite
200827	2400E	360S		<1			basic vol. quartz veins
200828	2400E	660S		4			basic vol. flow
200829	2520E	360S		<1			basic vol. trace pyrite
*200830	2520E	330S					basic vol. med. grained
200831	2520E	255S		<1			basic vol. tuff
200832	2520E	75S		2			basic vol. tuff
200833	2520E	45N		<1			basic vol. flow
200834	2520E	75N					basic vol. flow
200835	2640E	75N		<1			basic vol. flow
200836	2640E	90S		1			basaltic lava flow
*200837	2640E	120S					basaltic lava flow
200838	2640E	150S		<1			basaltic tuff
*200839	2640E	180S		<1			basaltic lava flow
200840	2640E	270S		<1			basaltic lava flow
*200841	2640E	300S					basaltic lava flow
						JULY 16/80	
200842	2880E	270S		<1			basaltic or andesite flow
*200843	2880E	240S					basaltic lava flow
200844	2880E	220S		<1			basaltic lava flow
200845	2880E	120S		2			basaltic flow coarse grained

* denotes samples retained at camp.

ROCK CHIP SAMPLES

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

(23)

PROJECT ....SEEBER LAKE..... GRID ~~HOLE No.~~ ...EAST.....

COMPLETED BY ..LARRY COOPER..... DATE ...JULY 16/80.....

SAMPLE No.	~~FROM~~ LINE	~~TO~~ STA.	WIDTH	Au. PPB	Ag.	Cu.	~~Zn.~~ ~~Pb.~~ ~~Ni.~~ ROCK TYPE
* 200846	2880E	90S					basaltic lava flow
200847	2880E	60S		5			basaltic lava flow
200848	2760E	30S		<1			coarse grained basaltic flow
* 200849	2760E	60S					basaltic flow well foliated
200850	2760E	90S		<1			basaltic lava flow
* 200851	2760E	120S					basaltic lava flow
200852	2760E	150S		<1			basaltic flow possible tuff
200853	1920E	360S		<1			basaltic flow 2% pyrite
* 200854	1920E	330S					mafic flow 1-2% pyrite
200855	1920E	165S		<1			basaltic lava flow
200856	1920E	60S		2			basaltic flow coarse grained
200857	1920E	40N		<1			basaltic lava flow
200858	2040E	30S		<1			basaltic lava flow
200859	2040E	70S		<1			amygdaloid basaltic flow
200860	2040E	225S		1			mafic tuff
200861	2040E	270S		<1			basaltic flow possible tuff
* 200862	2040E	300S					basaltic flow 3-5% pyrite
200863	0+00	240S		17			basaltic lava flow
* 200864	0+00	210S					basaltic lava flow
200865	0+00	180S		<1			basaltic lava flow
200866	0+00	115S		1			basaltic flow
200867	120E	15S		<1			granite
200868	120E	75S		1			basaltic lava flow

* denotes samples retained at camp

ROCK CHIP SAMPLES

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

PROJECT ...SEEBER LAKE..... GRID ~~HOLE No.~~ ...EAST.....

(12) COMPLETED BY ...LARRY COOPER.. DATE ...JULY 17/80.....

SAMPLE No.	~~FROM~~ LINE	~~TO~~ STD.	WIDTH	Au. PPb	Ag.	Cu.	~~Zn.~~ ~~Pb.~~ ~~Ni.~~ ROCK TYPE	
200869	120E	150S		<1			basaltic lava flow	
200870	120E	180S					basaltic lava flow	
200871	240E	190S		<1			basaltic lava flow	
200872	240E	150S					basaltic lava flow	
200873	240E	120S		<1			basaltic lava flow	
200874	240E	60N		<1			granite	
200875	240E	180N		<1			granite	
200876	360E	75S		1			basaltic lava flow	
200877	360E	110S		<1			basaltic flow	coarse grain
200878	360E	140S					basaltic lava flow	
200879	360E	60N		<1			basaltic lava flow	
200880	360E	225N		<1			granite	

* duplicate samples retained at camp.

ASSAY DATA SHEET

AMOCO CANADA PETROLEUM CO. LTD.

PROJECT SEEBER LAKE — GRID ~~HOLE~~ No. EAST

COMPLETED BY BABU GAJARIA — DATE June 27/80

SAMPLE No.	~~FROM~~ LINE	~~TO~~ STA.	WIDTH	Au. ppb	Ag. ppm	Cu. ppm	Zn. ppm	~~Pb.~~ ~~Ni.~~ ROCK TYPE
201085	1200W	100N		<1	<1	6	7	9½ pod in mafic tuff xenolith within granite
201086	1200W	70S		28	<1	8	8	9½ pod in dacite xenolith within granite.
201087	1200W	420S		5	<1	8	5	cherty sil. band within variolitic basalt.
201088	1200W	420S		10	<1	24	5	2nd cherty sil. zone within variolitic basalt
201089	1200W	540S		<1	<1	98	18	andesite tuff; limonite staining.
201090	960W	480S		43	<1	13	22	andesite - basalt tuff - oxidized pods.
201091	960W	450S		38	<1	9	4	9½ pods within basaltic lava flow.
201092	720W	320S		<1	<1	9	5	cherty sil. zone within variolitic basalt.
201093	720W	360S		<1	<1	19	6	tr. diss. py within mafic tuff.
201094	480W	420S		11	1	810	6	5 to 10% py (locally) in amph. basaltic lava flow
201095	480W	420S		4	<1	8	1	9½ pod in amph. basaltic lava flow.
201096	0+00	210S		1	<1	77	7	sulphide pod within mafic tuff.
201097	240E	120S		3	<1	68	8	chert interbedded within mafic tuff.
201098	480E	180S		10	<1	64	6	andesite - basalt lava flow.
201099	480E	180S		3	<1	24	3	9½ pod within mafic tuff.
201100	720E	120N		7	<1	46	2	q.v. in basaltic lava flow.
201101	720E	30N		4	<1	130	8	andesite - basalt lava flow.
201102	1200E	30S		5	<1	200	11	andesite - basalt lava flow.
201103	1440E	30N		7	<1	170	2	q.v. in f.f. within volcanics.
201104	1440E	30S		4	3	12	1	q.v. minor epidote in mafic tuffs.
201105	1860E	0		4	<1	440	16	5-10% py. in arkosic sedi. + mafic flow.
201106	1860E	0		<1	<1	37	3	q.v. in mafic flow + arkose.
201107	1920E	60S		10	<1	61	8	10% diss. py. in diabase.

(2)

ASSAY DATA SHEET

AMOCO CANADA PETROLEUM CO. LTD.

PROJECT SEEBER LAKE

GRID
~~HOLE~~ No. EAST

COMPLETED BY BABU GAJARIA

DATE June 27/80

SAMPLE No.	~~FROM~~ LINE	~~TO~~ STA.	WIDTH	Au. ppb	Ag. ppm	Cu. ppm	Zn. ppm	~~Pb.~~ ~~Nil~~ ROCK TYPE
201108	2160E	210S		10	<1.	51	8	2-3% Py. in mafic lava flow.
201109	2400E	30N		2	<1	68	5	2% V. in basaltic lava flow.
201110	2640E	300S		2	<1	64	4	2% V. in mafic tuff with minor flow
201111	2880E	90S		5	<1	95	7	2 to 3% Py in mafic tuff
201112	3120E	90N		12	<1	15	3	2% V. in mafic tuffs

Rock chip Sampling

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

(19) PROJECT SEEBER LAKE GRID ~~HOLE No.~~ EAST

COMPLETED BY BABU GAJARIA DATE JULY 15/80

SAMPLE No.	~~FROM~~ LINE	~~TO~~ STA.	WIDTH	Au. ppb	Ag.	Cu.	Zn.	~~Pb.~~ ~~Ni.~~ ROCK TYPE
201113	3000 E	30N		<1				Mafic Tuff
* 201114	3000 E	60N						Mafic flow + tuffite
* 201115	3000 E	0+00						andesite lava flow.
201116	3000 E	30S		<1				andesite tuff or tuffite ; 2-3% Py
* 201117	3000 E	60S						Basalt lava flow tr. Py.
201118	3000E	90S		<1				Basaltic lava flow - coarse grained
201119	3120 E	90S		<1				Basic tuff + arkose
* 201120	3120 E	60S						Basic tuff + arkose.
201121	3120 E	30S		4				Basic tuffite + arkose
* 201122	3120E	0						Basic lava flow coarse grained
201123	3120 E	45N		<1				Basic lava flow.
* 201124	3120 E	70N						Basic lava flow
201125	3120 E	120N		<1				andesite tuff
201126	3240 E	100 N		<1				Basaltic tuff
201127	3240 E	30N		<1				Basic tuff + arkose
* 201128	3240 E	5N						Basaltic tuff
201129	3360 E	90N		<1				andesite tuff
201130	3480 E	60N		<1				Basaltic lava flow
201131	3480 E	0		<1				Basaltic lava flow

* denotes; Samples retained at Camp

Rock chip Sampling.

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

(23) PROJECT SEEBER LAKE

GRID ~~HOLE~~ No. EAST

COMPLETED BY BABU GAJARIA

DATE JULY 16/80

	SAMPLE No.	~~FROM~~ LINE	~~TO~~ STA	WIDTH	Au. ppb	Ag.	Cu.	Zn.	~~Pb.~~ ~~Ni.~~ ROCK TYPE
-	201132	960E	390S		5				andesite-basalt lava flow.
X	201133	960E	360S						amphibolised mafic lava flow.
-	201134	960E	180S		<1				andesite lava flow.
X	201135	960E	150S						amphibolised mafic lava flow.
-	201136	960E	120S		<1				amphibolised mafic lava flow.
X	201137	960E	90S						Mafic lava flow
-	201138	960E	90N		<1				Mafic Tuff
-	201139	960E	150N		<1				mafic tuff - chloritic
-	201140	960E	190N		<1				variolitic basalt flow.
-	201141	1080E	90N		5				amphibolised mafic lava flow.
X	201142	1080E	60N						mafic lava flow.
-	201143	1080E	60S		<1				amphibolised mafic lava flow.
X	201144	1080E	90S						mafic tuff + tuffite
-	201145	1080E	140S		2				amphibolised mafic lava flow.
-	201146	1080E	350S		<1				mafic lava flow tr. py.
-	201147	1200E	400S		3				mafic lava flow
-	201148	1200E	60S		3				amphibolised mafic lava flow.
-	201149	1200E	30S		1				andesite lava flow.
-	201150	1200E	10S		4				mafic lava flow diorite texture.
-	201151	1200E	90N		<1				mafic tuff
-	201152	1200E	140N		1				mafic tuff
-	201153	1320E	255N		5				Basaltic lava flow - coarse grained
-	201154	1320E	145N		1				mafic lava flow - diorite texture.
X	201155	1320E	115N						andesite tuff
-	201156	1320E	330S		<1				amphibolised mafic lava flow.

X denotes samples detained at Camp.

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

(16) PROJECT SEEBER LAKE GRID

~~HOLE~~ No. EAST

COMPLETED BY BABU GAJARIA DATE JULY 17/80

SAMPLE No:	~~FROM~~ LINE	~~TO~~ STA	WIDTH	Au. PPb	Ag.	Cu.	Zn.	~~Pb~~ ~~Ni~~ ROCK TYPE
201157	240W	310S		<1				andesite lava flow.
X 201158	240W	270S						andesite lava flow.
201159	240W	240S		<1				andesite lava flow - limonite stain
X 201160	240W	210S						basaltic lava flow. amphibolised.
201161	240W	180S		5				basaltic lava flow. variolitic
201162	360W	10S		1				Pink granite
X 201163	360W	40S						Granite
201164	480W	30N		5				Granite
201165	480W	30S		6				Granite
X 201166	480W	70S						Granite
201167	480W	420S		3				Coarse grained basaltic lava flow.
201168	360W	410S		<1				amphibolised basaltic lava flow.
201169	250W	410S		8				basaltic lava flow locally 5-10%
201170	120W	190S		1				andesite lava flow.
X 201171	120W	220S		<1				andesite lava flow.
201172	120W	250S						andesite lava flow

X - denotes samples retained at Camp.

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

(23)

PROJECT ...SEEBER LAKE..... GRID ~~HOLE~~ No. ....EAST.....

COMPLETED BY ..G. BRIEN..... DATE ..July...1980.....

SAMPLE No:	~~FROM~~ LINE	~~TO~~ STN	WIDTH	Au. PPB	Ag.	Cu.	Zn.	~~Pb.~~ ~~Ni.~~ ROCK TYPE
201209	3600E	4505		<1				
201210	3600E	4505		<1				BASALT
201211	3600E	3605		4				BASALT
201212				<1				
201213	4320E	BL		5				BASALT
201214				<1				
201215	4200E	1505		11				BASALT
201216	3720E	3605		<1				BASALT
201217	1680E	3305		<1				BASALT
201218	1800E	3605		<1				BASALT
201219	1800E	2705		3				BASALT
201220	1800E	2105		<1				BASALT
201221	1490E	30N		<1				BASALT
201222	1490E	60N						BASALT
201223	1490E	150N		1				BASALT
201224	1490E	180N						BASALT
201225	1990E	240N		1				BASALT
201226	1560E	60N		13				BASALT
201227	1990E	3005		<1				BASALT
201228	1990E	2705						BASALT
201229	1990E	305		1				BASALT
201230	720E	3605		1				ANDESITE
201231	720E	3305						ANDESITE
201232	720E	1205		<1				ANDESITE
201233	720E	905						ANDESITE
201234	720E	305		<1				ANDESITE

X - denotes samples retained at camp

ASSAY DATA SHEET

Shipped on July 19/80

AMOCO CANADA PETROLEUM CO. LTD.

PROJECT ..SEEBER LAKE..... GRID ~~HOLE~~ No. .....EAST.....

COMPLETED BY .G. BRIEN..... DATE .....July/1980.....

	SAMPLE No.	~~FROM~~ LINE	~~TO~~ STN	WIDTH	Au. PPb	Ag.	Cu.	Zn.	~~Pb.~~ ~~Ni.~~ ROCK TYPE	
-	201235	720E	30N		<1				BASALT	
-	201236	720E	90N		4				BASALT	
X	201237	720E	120N						BASALT	
-	201238	890E	180N		2				BASALT	
-	201239	890E	120N		<1				BASALT	
	201240	890E	60N		<1				BASALT	
X	201241	890E	30N						BASALT	
-	201242	890E	180S		1				ANDESITE	
-	201243	890E	330S		<1				ANDESITE	
-	201244	600E	390S		3				ANDESITE	
-	201245	600E	240S		1				ANDESITE	
-	201246	600E	120S		4				ANDESITE	
-	201247	600E	60S		<1				BASALT	
-	201248	480E	360N		2				GRANITE	
-	201249	480E	300N		<1				GRANITE	
-	201250	480E	60N		<1				BASALT	
-	201251	480E	120S		<1				BASALT	
X	201252	480E	150S						BASALT	
-	201253	480E	180S		1				BASALT	
-	201254	480E	360S		<1				ANDESITE	
X	201255	480E	390S						ANDESITE	
-	201256	480E	420S		3				ANDESITE	
-	201257	3720E	420S		2				ANDESITE	

X - denote samples retained at camp

Plotted

Rock chips

ASSAY DATA SHEET

Shipped on July 23

AMOCO CANADA PETROLEUM CO. LTD.

PROJECT ...SEEBER LAKE.....

GRID ~~HOLE~~ No. ..EAST.....

COMPLETED BY ..G.BRIEN.....

DATE ..July 1980.....

	SAMPLE No.	~~FROM~~ LINE	~~TO~~ STN	WIDTH	Au. ppb	Ag.	Cu.	Zn.	~~Pb.~~ ~~Ni.~~ ROCK TYPE	
-	201258	1200W	2+10N		6				GRANITE	
-	201259	1200W	90N		1				GRANITE	
-	201260	1200W	60S		<1				GRANITE	
X	201261	1200W	90S		<1				GRANITE	
-	201262	1200W	120S		<1				GRANITE	
-	201263	1200W	270S		<1				GRANITE	
-	201264	1200W	390S		6				GRANITE	
-	201265	1200W	4+20S		4				variolitic BASALT	
-	201266	1200W	4+50S		1				BASALT	
-	201267	1200W	540S		4				BASALT	
-	201268	1080W	540S		59				BASALT	
-	201269	1080W	450S		5				variolitic BASALT	
X	201270	1080W	420S		1				variolitic BASALT	
-	201271	1080W	390S		10				GRANITE	
-	201272	1080W	240S		1				GRANITE	
-	201273	1080W	150S		<1				GRANITE	
-	201274	1080W	90S		2				GRANITE	
-	201275	1080W	210N		<1				GRANITE	
-	201276	960W	30N		9				GRANITE	
X	201277	960W	BL		<1				GRANITE	
-	201278	960W	30S		1				GRANITE	
-	201279	960W	270S		<1				GRANITE	
-	201280	960W	330S		1				GRANITE	

X - denotes sample retained in camp

Plotted rock chips.

ASSAY DATA SHEET

Shipped on July 23

AMOCO CANADA PETROLEUM CO. LTD.

PROJECT ..SEEBER LAKE..... GRID ~~HOLE~~ No. ....EAST.....

COMPLETED BY ..G. BRIEN..... DATE ..July..1980.....

SAMPLE No.	~~FROM~~ LINE	~~TO~~ STN	WIDTH	Au. PPb	Ag.	Cu.	Zn.	~~Pb.~~ ~~Nt.~~ ROCK TYPE	
201281	960W	3905		8				vesicular BASALT	
X 201282	960W	4205		23				BASALT	
201283	960W	4505		5				BASALT	
201284	960W	5105		<1				BASALT	

X - denotes sample retained in camp

Plotted

Rock Chip Samples.

ASSAY DATA SHEET

Shipped on July 23

AMOCO CANADA PETROLEUM CO. LTD.

PROJECT ...Seeber Lake.....

GRID ~~HOLE~~ No. ...East.....

COMPLETED BY ...M. Garvey.....

DATE ...July 19/80.

SAMPLE No.	~~FROM~~ LINE	~~TO~~ ST.	WIDTH	Au. ppb	Ag.	Cu.	Zn.	~~Pb.~~ ~~Ni.~~ ROCK TYPE.
201401	720W.	15N		1				GRANITE
★ 201402		B-						GRANITE
201403		30S		<1				GRANITE
201404		80S		<1				GRANITE
201405		240S		<1				GRANITE (1-2% pyrite)
201406		300S		<1				MAFIC TUFF
★ 201407		330S						BASALTIC LAVA FLOW.
201408		360S		<1				MAFIC TUFF
201409		430S		2				MAFIC LAVA FLOW.
201410	600 W.	225S		1				GRANITE
★ 201411		200S						GRANITE
201412		80S		1				GRANITE
201413	840W.	450S		47				MAFIC LAVA FLOW.
201414		390S		6				MAFIC LAVA FLOW.
201415		330S		7				VARIOLITIC BASALTIC LAVA FLOW.
201416		285S		<1				MODERATELY FOLIATED BASALTIC FLOW.
201417		240S		5				FOLIATED MAFIC LAVA FLOW
★ 201418		210S						GRANITE
201419		165S		2				COARSE GRAIN GRANITE
201420		90S		<1				GRANITE

★ - DENOTES SAMPLES RETAINED IN CAMP.

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: AMOCO CANADA PETROLEUM CO.,
69 QUEEN ST. W., SUITE 2010,
TORONTO, ONTARIO.
M5H 2M5

REPORT 9239 REF. FILE 4390-M4

138 ROCKS RE: SEEBER LAKE SUBMITTED ON 6-AUG-80

WERE ANALYSED AS FOLLOWS:

	UNITS	METHOD	DETECTION LIMIT
AU	PPB	FA-NA	1.000

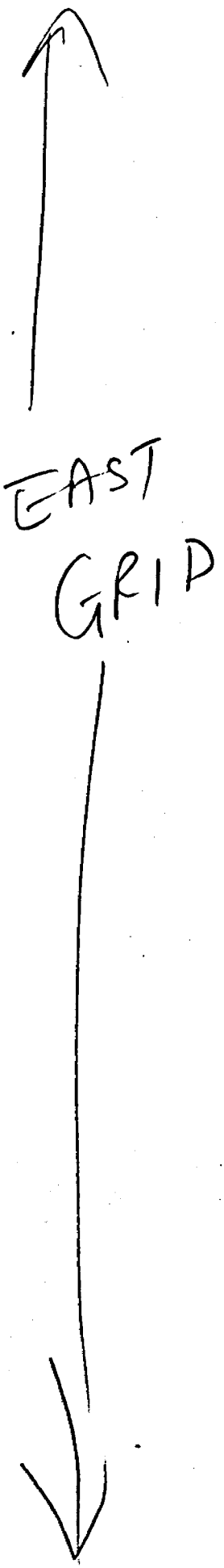
DATE 12-SEP-80

X-RAY ASSAY LABORATORIES LIMITED

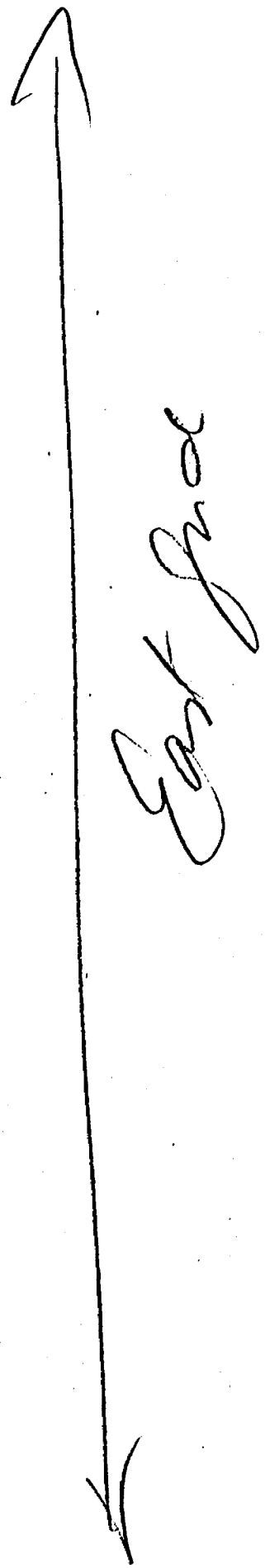
CERTIFIED BY

J.H. DEBERSCK

SAMPLE	AU PPB
S200801	<1
S200802	<1
S200804	<1
S200806	3
S200807	<1
S200808	<1
S200809	<1
S200811	1
S200812	<1
S200813	<1
S200815	4
S200817	<1
S200818	<1
S200820	<1
S200821	1
S200822	<1
S200824	<1
S200825	3
S200827	<1
S200828	4
S200829	<1
S200831	<1
S200832	2
S200833	<1
S200835	<1
S200836	1
S200838	<1
S200840	<1
S200842	<1
S200844	<1
S200845	2
S200847	5
S200848	<1
S200850	<1
S200852	<1
S200853	<1
S200855	<1
S200856	2
S200857	<1
S200858	<1
S200859	<1
S200860	1
S200861	<1
S200863	17
S200865	<1
S200866	1
S200867	<1
S200868	1
S200869	<1
S200871	<1
S200873	<1
S200874	<1
S200875	<1
S200876	1
S200877	<1



SAMPLE	AU PPB
S200879	<1
S200880	<1
S201113	<1
S201116	<1
S201118	<1
S201119	<1
S201121	4
S201123	<1
S201125	<1
S201126	<1
S201127	<1
S201129	<1
S201130	<1
S201131	<1
S201132	5
S201134	<1
S201136	<1
S201138	<1
S201139	<1
S201140	<1
S201141	5
S201143	<1
S201145	2
S201146	<1
S201147	3
S201148	3
S201150	4
S201151	<1
S201152	1
S201153	5
S201154	1
S201156	<1
S201157	<1
S201159	<1
S201161	5
S201162	1
S201164	5
S201165	6
S201167	3
S201168	<1
S201169	8
S201170	1
S201171	<1
S201209	<1
S201210	<1
S201211	4
S201212	<1
S201213	5
S201214	<1
S201215	11
S201216	<1
S201217	<1
S201218	<1
S201219	3
S201220	<1
S201221	<1



[redacted]PLE	AU PPB
S201223	1
S201225	1
S201226	13
S201227	<1
S201229	1
S201230	1
S201232	<1
S201234	<1
S201235	<1
S201236	4
S201238	2
S201239	<1
S201240	<1
S201242	1
S201243	<1
S201244	3
S201245	1
S201246	4
S201247	<1
S201248	2
S201249	<1
S201250	<1
S201251	<1
S201253	1
S201254	<1
S201256	3
S201257	2

XRAL

Analysis of Ao Horizon Material

Samples are air dried at 40°C and then blended to produce a homogeneous material. 8 grams of this material is pressed into a brickette. The brickette is analysed for copper and zinc using energy dispersive x-ray. Finally the brickette is irradiated at the McMaster Nuclear reactor. Gold and arsenic are determined using neutron activation.

JE

January 20, 1981

MINING CLAIMS TRAVERSED (ADDITIONAL LIST)

KRL 534 226
KRL 534 227
KRL 534 228
KRL 534 229
KRL 534 230
KRL 534 231
KRL 534 258
KRL 534 259
KRL 534 260
KRL 534 261
KRL 534 262
KRL 534 263
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KRL 534 280
KRL 534 281
KRL 534 282

Ontario

Ministry of Natu

GEOPHYSICAL – GEOLOG
TECHNICAL DAT.

53F15NW0008 2.3684 N. OF LINGMAN LAKE

900

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) CEM; Magnetometer, Radem

Township or Area Lingman Lake, Red Lake Mining Div.

Claim Holder(s) Amoco Canada Petroleum Co. Ltd.
2010 - 65 Queen St.W.,TORONTO

Survey Company Amoco Personnel

Author of Report Babu Gajaria

Address of Author 2010 - 65 Queen St.W., TORONTO

Covering Dates of Survey June 1st, 1980 to Sept.1st,198(
(linecutting to office)

Total Miles of Line Cut 27.8

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	--Electromagnetic	
	–Magnetometer	
	–Radiometric	
ENTER 20 days for each additional survey using same grid.	–Other	
	Geological	
	Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: _____ SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications B.Sc. (Hons) AIsM. Mining Geology

Previous Surveys

File No.	Type	Date	~~Claim Holder~~

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
KRL	534205
KRL	534206
KRL	534207
KRL	534208
KRL	534209
KRL	534210
KRL	534211
KRL	534212
KRL	534213
KRL	534214
KRL	534215
KRL	534216
KRL	534217
KRL	534218
KRL	534219
KRL	534220
KRL	534221
KRL	534222
KRL	534223
KRL	534224
KRL	534225

See attached list

TOTAL CLAIMS 52

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 337 (CEM) 1707 (Mag) 1291 (Radem) Number of Readings 674 (CEM) 1707 (Mag) 2582 (Radem)

Station interval 15 or 30 meters Line spacing 240 meters

Profile scale -

Contour interval -

MAGNETIC

Instrument McPhar M700

Accuracy – Scale constant 5 gammas

Diurnal correction method Baseline Loop method

Base Station check-in interval (hours) ½ hour - 1 hour

Base Station location and value various base stations arbitarily set up on baseline

ELECTROMAGNETIC

Instrument Crone's E-M and Radem

Coil configuration Transmit Coil Horizontal

Coil separation 90 Meters

Accuracy ± 0.5°

Method: ☐ Fixed transmitter ☒ Shoot back ☐ In line ☐ Parallel line

Frequency 390, 1830 Hz (CEM); V.L.F. Station: Seattle, Washington (specify V.L.F. station)

Parameters measured Resultant dip angles (CEM)
Resultant dip angles and field strength (Radem)

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken 52 claims - see attached list

Total Number of Samples 1218

Type of Sample Humus
(Nature of Material)

Average Sample Weight 100 gms.

Method of Collection Auger or grub hoe

Soil Horizon Sampled Ao (Humus)

Horizon Development Moderate

Sample Depth 10-15 Cm.

Terrain Generally flat

Drainage Development Poor

Estimated Range of Overburden Thickness 5 - 15 meters

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis For Au-As analysis the sample is pellitized before irradiation.

General For Au-As analysis the sample is dried and blended. See enclosed memo from X-Ray Assay Labs.

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☒
p. p. b. ☒

(Cu) Pb, (Zn) Ni, Co, Ag, Mo, (As) (circle)

Others Au

Field Analysis (None tests)
Extraction Method
Analytical Method
Reagents Used

Field Laboratory Analysis
No. (None tests)
Extraction Method
Analytical Method
Reagents Used

Commercial Laboratory (tests)
Name of Laboratory X-Ray Assay Labs
Extraction Method
Analytical Method NA (Au-As); EDX (Cu-Zn)
Reagents Used

General For Au-As; 8 gm. of the sample is pressed and irradiated in a reactor; the Au-As content is determined by Neutron activation. For Cu-Zn; the analysis is done on the same pellet by Energy Dispersion X-Ray method. See enclosed memo from X-Ray Labs.

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

Area North Of Lingman Lake (M.2198)

Seeber Lake Area (M.2179)

Area South Of Ponask Lake (M.2027)

93°00' 92°45' 53°52'30" 53°45'

Lingman Lake

Lawson Lake

Pullan Lake

Durrell Lake

263M. 262M. 260M. 259M. 258M. 257M. 256M. 255M.

W.P.3 C.N. 26IM.

W.P.2 C.N. 258M.

W.P.1 C.N. 257M.

W.P.0 C.N. 255M.

6th MERIDIAN LINE

F.C. McKERGOW, O.L.S. 1956

93°00' 59' 58' 57' 56' 55' 54' 53' 52' 51' 50' 49' 48' 47' 46' 92°45'

53°52'30" 52' 51' 50' 49' 48' 47' 46' 53°45'

AREA OF

LINGMAN LAKE

DISTRICT OF
KENORA
(PATRICIA PORTION)

RED LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.

2.3684

NOTES

400' SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS.

DATE OF ISSUE
SEP 24 1981
Ministry of Natural Resources
TORONTO

NATIONAL TOPOGRAPHIC SERIES 53F

PLAN NO. M.2064

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

53F15NW0008 2.3684 N. OF LINGMAN LAKE

200

93°00'

92°45'

54°00'

53°52'30"

272M.

271M.

270M.

269M.

268M.

267M.

266M.

265M.

264M.

F.C. McKERROW, O.L.S. 1956

6th MERIDIAN LINE

59' 58' 57' 56' 55' 54' 53' 52'

Vanderbrink Lake Area (M.2181)

Ponask Lake Area (M. 2726)

Lingman Lake Area (M. 2064)

KRL 534204 | KRL 534201 | KRL 533999 | KRL 533995 | KRL 533992

KRL 534203 | KRL 534000 | KRL 533998 | KRL 533994 | KRL 533993

KRL 534210 | KRL 534211 | KRL 534212 | KRL 534213 | KRL 534214 | KRL 534215 | KRL 534222 | KRL 534226 | KRL 534230 | KRL 534266 | KRL 534267 | KRL 534268 | KRL 534269 | KRL 534276 | KRL 534279 | KRL 534280

KRL 534223 | KRL 534227 | KRL 534231 | KRL 534270 | KRL 534271 | KRL 534272 | KRL 534273

AREA OF

NORTH OF LINGMAN LAKE

DISTRICT OF
KENORA
(PATRICIA PORTION)

RED LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

2.3684

PATENTED LAND	P
CROWN LAND SALE	C.S.
LEASES	L
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.

NOTES

400' SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS.

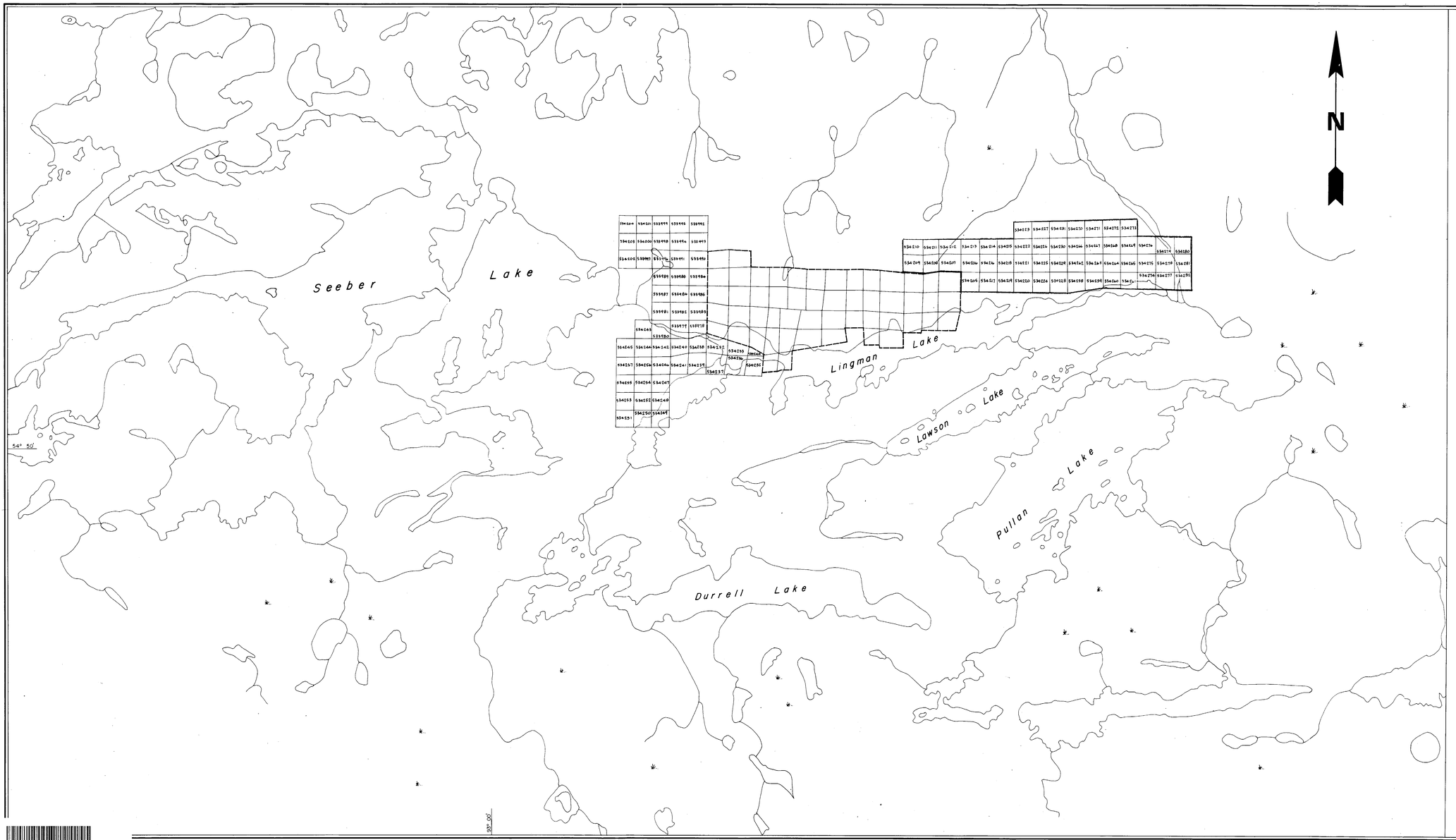
NATIONAL TOPOGRAPHIC SERIES 53F

PLAN NO. M. 2198

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH



LEGEND

Patented claims - owned by others

Amoco claims

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

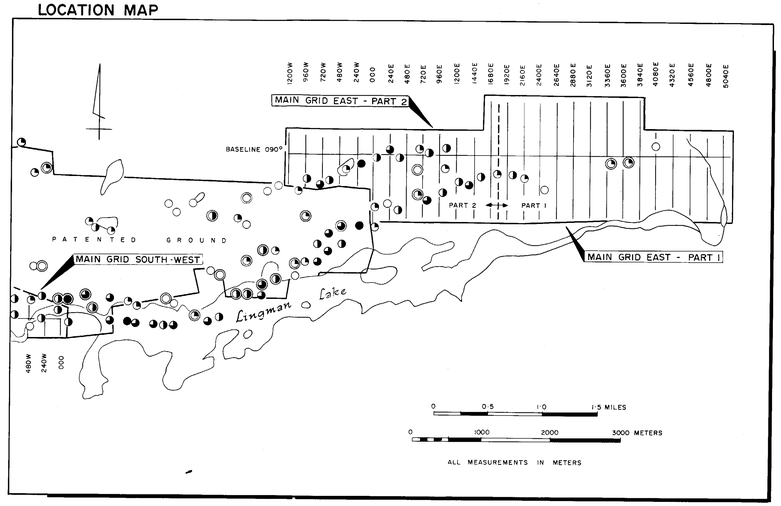
SEEBER LAKE PROJECT
ONTARIO

PROPERTY MAP

Drawn By	B. Gajaria	Scale	0 — 0.5 M. / 0 — 0.5 Km.
Date	February 1980	Project Nº.	

N

LOCATION MAP

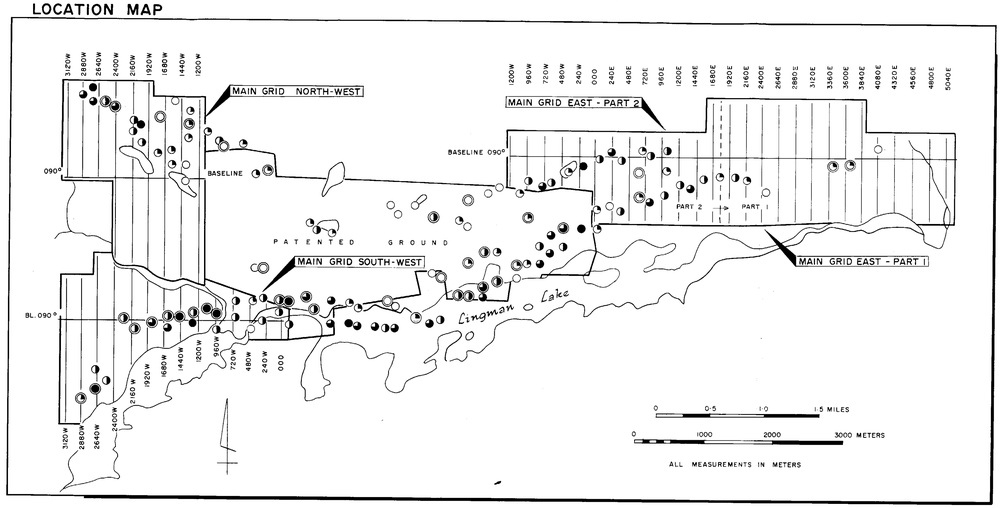


1920E 2160E 2400E 2640E 2880E 3120E 3360E 3600E 3840E 4080E 4320E 4560E 4800E 5040E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

534231 534270 534230 534266 534229 534262

LOCATION MAP



N

1200 W
960W
720W
480 W
240W
000
240E
480E
720E
960E
1200E
1440E
1680E
1920E

534210
534209
534208
534207
534212
534211
534206
534205
534214
534216
534217
534218
534215
534219

Lake
Pond

840 N
720 N
600 N
480 N
360 N
240N
120N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

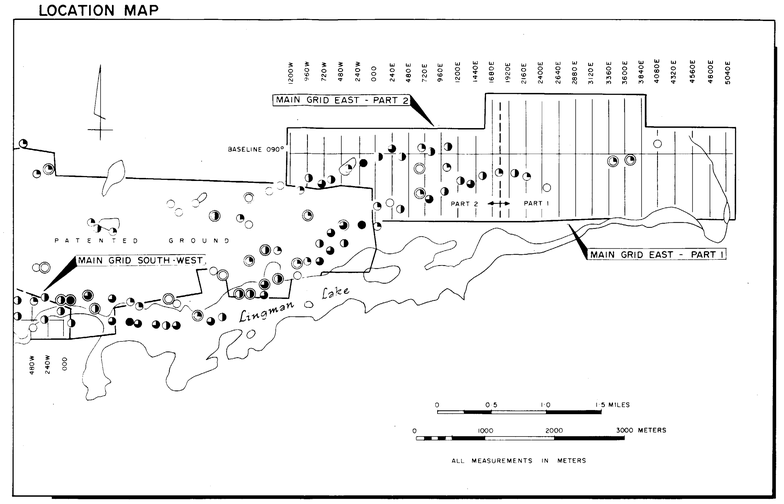
N

1920E 2160E 2400E 2640E 2880E 3120E 3360E 3600E 3840E 4080E 4320E 4560E 4800E 5040E

840N 720N 600N 480N 360N 240N 120N BASELINE 090° 120S 240S 360S 480S 600S 720S 840S 960S

534231 534270 534230 534266 534229 534262

LOCATION MAP



LEGEND

Au in ppb
As in ppm
12, 77 HUMUS HORIZON
(2,<1) DEAD LEAVES
As in ppm
Au in ppb

NH NOT HUMUS
NSS NOT SUFFICIENT SAMPLE
NS NO SAMPLE
NR NO RESULT

ARSENIC
5 - 9 PPM
10 - 19 PPM
20 - 39 PPM
≥ 40 PPM

0 100 200 300 METERS
0 500 1000 FEET
1:3000

May 5th/81

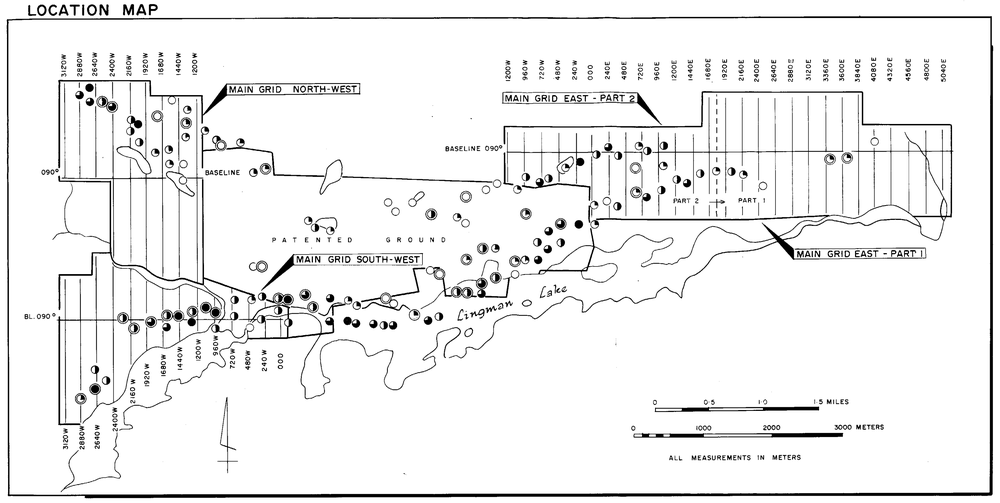
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART I

SOIL SAMPLE RESULTS
FOR GOLD AND ARSENIC
(HUMUS HORIZON AND DEAD LEAVES)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº	80C-010

LOCATION MAP



N

1200W 960W 720W 480W 240W 000 240E 480E 720E 960E 1200E 1440E 1680E 1920E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

534210 534211 534212 534213 534214 534215
534209 534208 534207 534206 534216 534218
534205 534217 534219

Lake
Pond

LEGEND

Au in ppb
As in ppm
12. 77 HUMUS HORIZON
(2, <1) DEAD LEAVES
As in ppm
Au in ppb

NH NOT HUMUS
NSS NOT SUFFICIENT SAMPLE
NS NO SAMPLE

ARSENIC
5 - 9 PPM
10 - 19 PPM
20 - 39 PPM
≥ 40 PPM

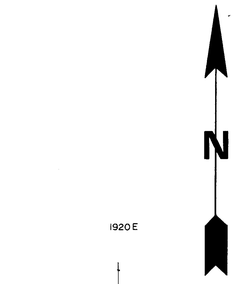
0 100 200 300 METERS
0 500 1000 FEET
1:3000

May 5th/81

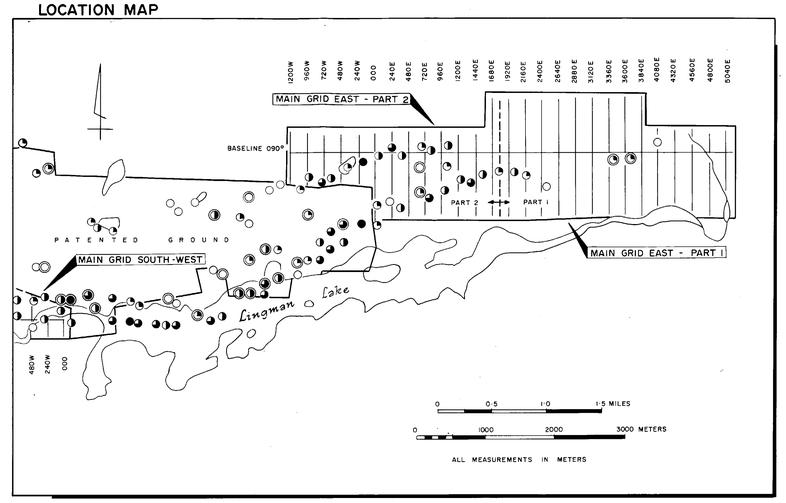
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART 2
SOIL SAMPLE RESULTS
FOR GOLD AND ARSENIC
(HUMUS HORIZON AND DEAD LEAVES)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project NO.	80C-010



LOCATION MAP



LEGEND

Cu in ppm
Zn in ppm
10, 15 HUMUS HORIZON
(10,75) DEAD LEAVES
Zn in ppm
Cu in ppm

NH NOT HUMUS
NS NO SAMPLE
NSS NOT SUFFICIENT SAMPLE

COPPER

- 25 - 49 PPM
- 50 - 99 PPM
- 100 - 199 PPM
- ≥ 200 PPM

0 100 200 300 METERS
0 500 1000 FEET
1:3000

May 5th/81

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

SEEBER LAKE PROJECT

MAIN GRID EAST - PART 1

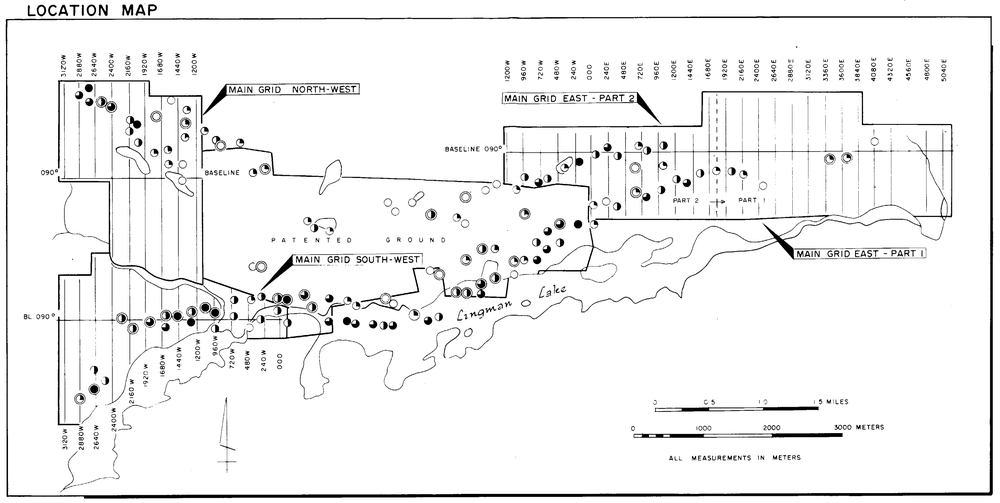
SOIL SAMPLE RESULTS

FOR COPPER AND ZINC

(HUMUS HORIZON AND DEAD LEAVES)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project NO.	80C-010

LOCATION MAP



N

1200W 960W 720W 480W 240W 000 240E 480E 720E 960E 1200E 1440E 1680E 1920E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

534209 534210 534211 534212 534213 534214 534215 534216 534217 534218 534219 534205 534206 534207 534208

Lake Pond

LEGEND

Cu in ppm / Zn in ppm
10, 15 HUMUS HORIZON
(10, 75) DEAD LEAVES
Zn in ppm / Cu in ppm

NH NOT HUMUS

COPPER
25 - 49 PPM
50 - 99 PPM
100 - 199 PPM
≥ 200 PPM

0 100 200 300 METERS
0 500 1000 FEET
1:3000

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART 2
SOIL SAMPLE RESULTS
FOR COPPER AND ZINC
(HUMUS HORIZON AND DEAD LEAVES)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project No.	80C-010

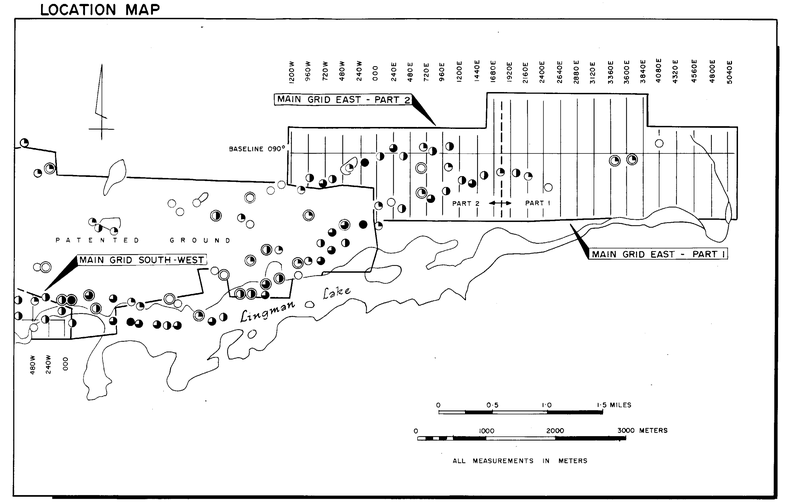
N

1920E 2160E 2400E 2640E 2880E 3120E 3360E 3600E 3840E 4080E 4320E 4800E 5040E 4560E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S
840 S
960 S

534251 534270 534230 534266 534229 534262

LOCATION MAP



LEGEND

Au in ppb
As in ppm
12, 77 HUMUS HORIZON
(2, <1) DEAD LEAVES
As in ppm
Au in ppb

NH NOT HUMUS
NSS NOT SUFFICIENT SAMPLE
NS NO SAMPLE
NR NO RESULT

GOLD
3 - 4 PPB
5 - 9 PPB
10 - 19 PPB
≥ 20 PPB

0 100 200 300 METERS
0 500 1000 FEET
1:3000

May 5th/81

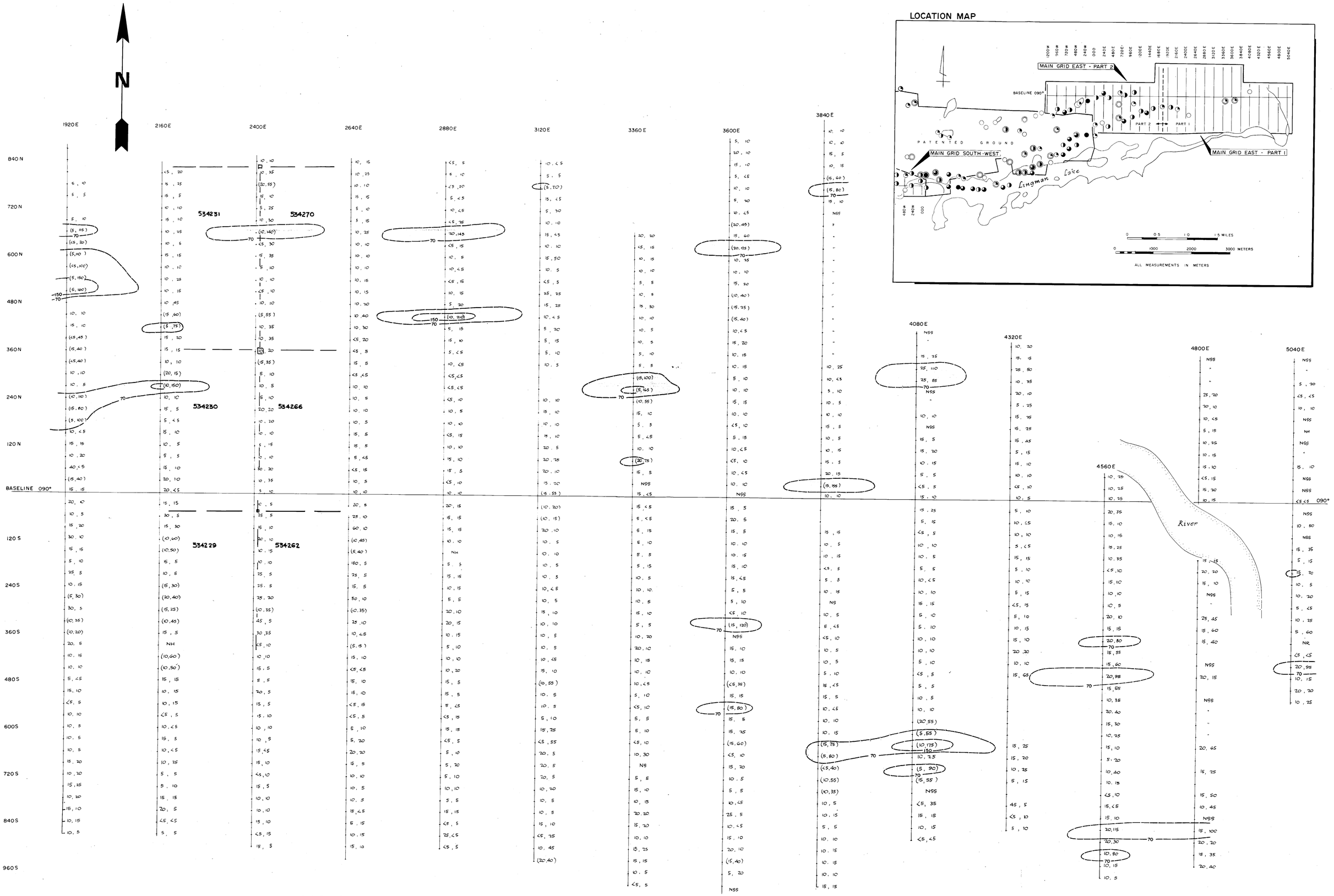
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART I
SOIL SAMPLE RESULTS
FOR (GOLD AND ARSENIC
(HUMUS HORIZON AND DEAD LEAVES)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº	80C-010

53F15NW008 2.3004 N. OF LINGMAN LAKE

LOCATION MAP
MAIN GRID NORTH-WEST
MAIN GRID EAST - PART 2
MAIN GRID EAST - PART 1
MAIN GRID SOUTH-WEST
PATENTED GROUND
Lingman Lake
ALL MEASUREMENTS IN METERS
N
BASELINE 090°
Lake
Pond
LEGEND
Au in ppb
As in ppm
HUMUS HORIZON
DEAD LEAVES
As in ppm
Au in ppb
NH NOT HUMUS
NSS NOT SUFFICIENT SAMPLE
NS NO SAMPLE
GOLD
3 - 4 PPB
5 - 9 PPB
10 - 19 PPB
≥ 20 PPB
300 METERS
1000 FEET
1:3000
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION
SEEBER LAKE PROJECT
MAIN GRID EAST - PART 2
SOIL SAMPLE RESULTS
FOR GOLD AND ARSENIC
(HUMUS HORIZON AND DEAD LEAVES)
Drawn By d.o's
Scale 1:3000
Date August 1980
Project No 80C-010



LOCATION MAP

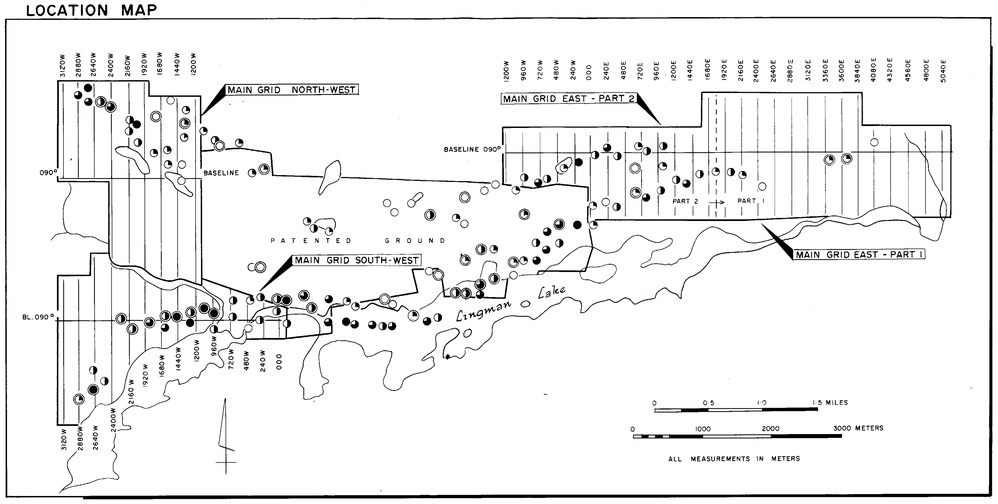
May 5th/81

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART 1
SOIL SAMPLE RESULTS
FOR COPPER AND ZINC
(HUMUS HORIZON AND DEAD LEAVES)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº	80C-010

LOCATION MAP



N

1200W 960W 720W 480W 240W 000 240E 480E 720E 960E 1200E 1440E 1680E 1920E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

534210 534211 534212 534213 534214 534215 534216 534217 534218 534219
534205 534206 534207 534208 534209

Lake
Pond

LEGEND

Cu in ppm
Zn in ppm
10, 15 HUMUS HORIZON
(10, 75) DEAD LEAVES
Zn in ppm
Cu in ppm

NH NOT HUMUS

ZINC
70 - 149 PPM
150 - 299 PPM
300 - 599 PPM

0 100 200 300 METERS
0 500 1000 FEET
1:3000

May 5th/81

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART 2
SOIL SAMPLE RESULTS
FOR COPPER AND ZINC
(HUMUS HORIZON AND DEAD LEAVES)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project No.	80C-010

N

1920E 2160E 2400E 2640E 2880E 3120E 3360E 3600E 3840E 4080E 4320E 4800E 5040E

840 N
720 N
600 N
480 N
360N
240 N
120 N
BASELINE 090°
120 S
240S
360S
480S
600S
720S
840S
960S

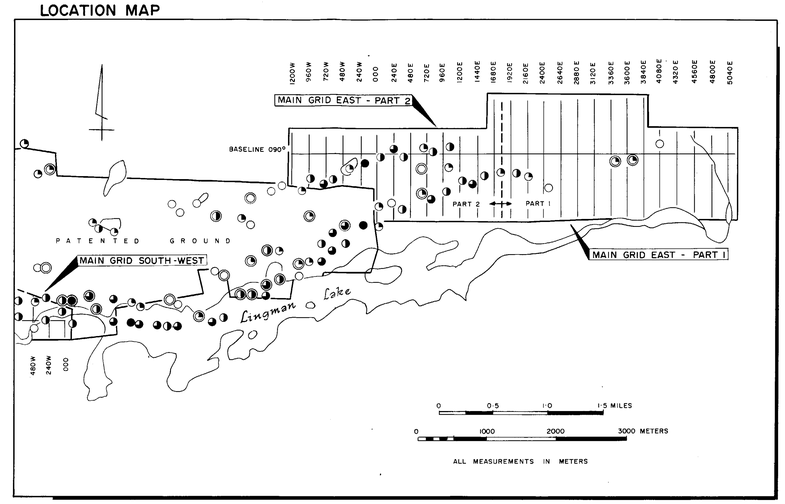
534231 534270
534230 534266
534229 534262

4560E

River

Lingman Lake

LOCATION MAP



0 100 200 300 METERS
0 500 1000 FEET
1:3000

May 5th/81

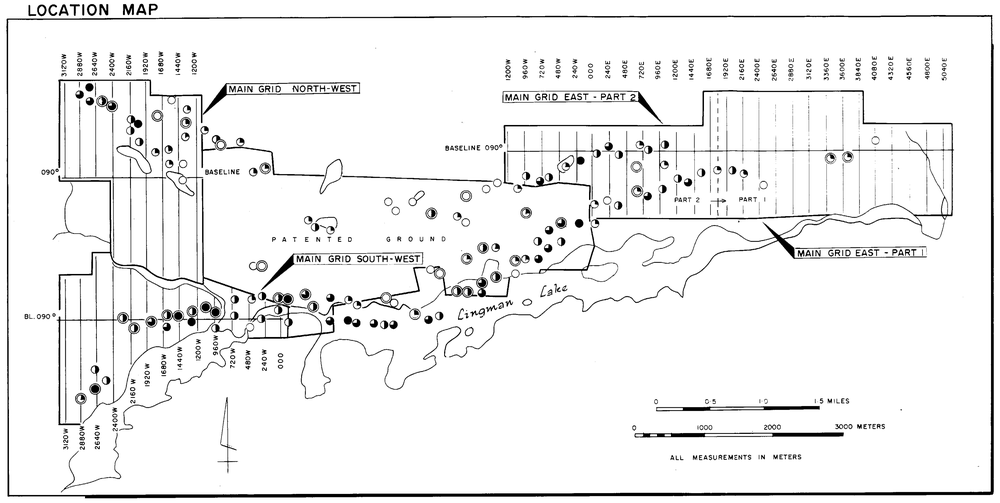
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART I

ROCK CHIP RESULTS
GOLD (ppb)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project No.	80C-010

LOCATION MAP



N

1680E 1920E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

1200W 960W 720W 480W 240W 000 240E 480E 720E 960E 1200E 1440E

534210 534211 534212 534213 534214 534215
534209 534208 534207 534206 534218
534205 534219

Lake
Pond

0 100 200 300 METERS
0 500 1000 FEET
1:3000

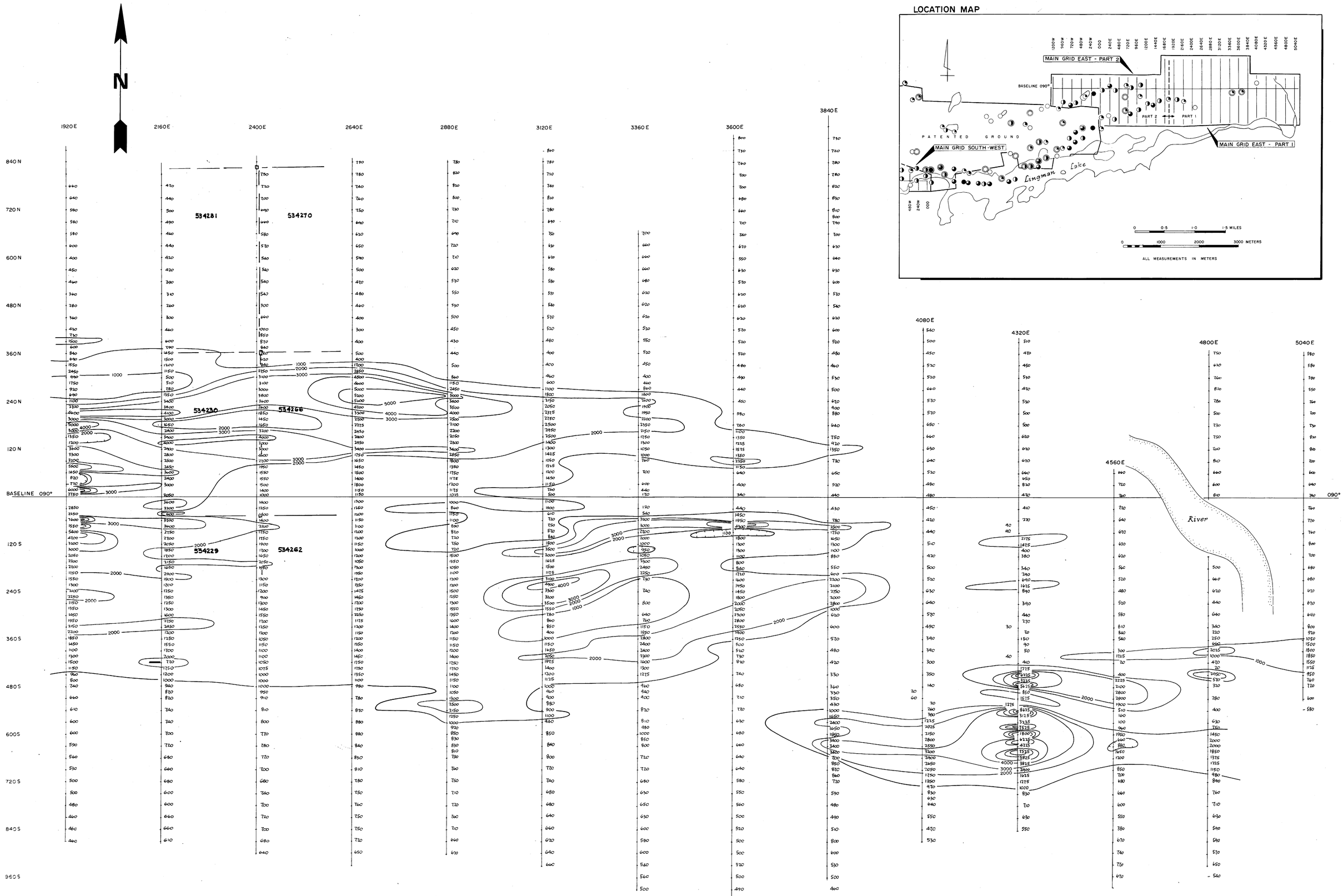
May 5th/81

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART 2

ROCK CHIP RESULTS
GOLD (ppb)

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project No.	80C-010



LOCATION MAP

LEGEND

NEGATIVE / POSITIVE

276 / 270 READINGS IN GAMMAS

INSTRUMENT: M-700

0 100 200 300 METERS

0 500 1000 FEET

1:3000

May 21/81

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

SEEBER LAKE PROJECT

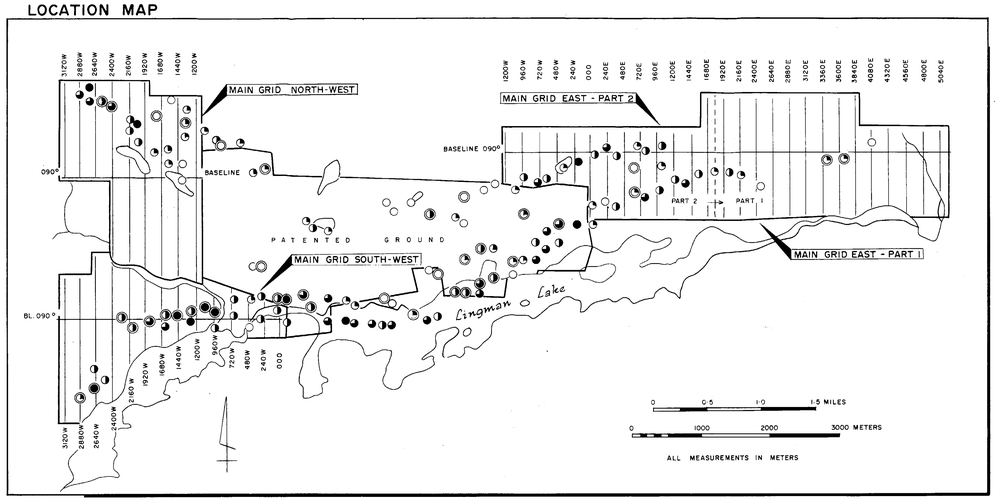
MAIN GRID EAST - PART I

MAGNETOMETER SURVEY

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº	80C-010

2.3684 cm.

LOCATION MAP



N

1200W 960W 720W 480W 240W 000 240E 480E 720E 960E 1200E 1440E 1680E 1920E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

534210 534211 534212 534213 534214 534215
534209 534208 534207 534206 534216 534218
534205 534217 534219
Lake

LEGEND

NEGATIVE | POSITIVE

275
220
READINGS IN GAMMAS

INSTRUMENT: M-700

0 100 200 300 METERS
0 500 1000 FEET
1:3000

May 21/81

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART 2

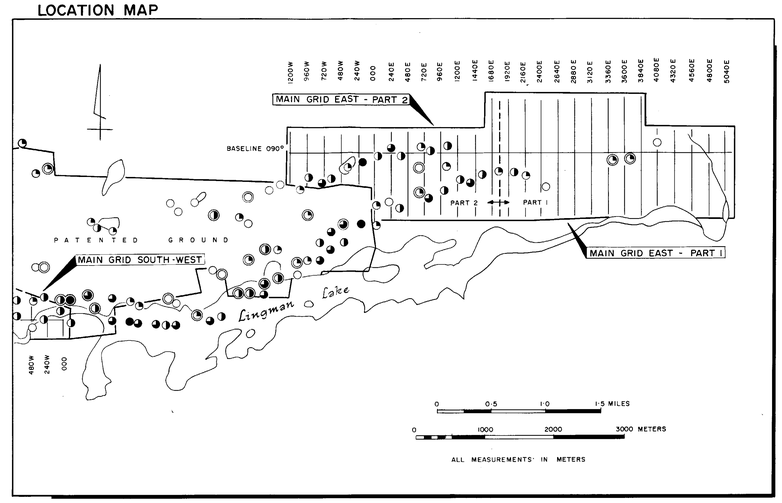
MAGNETOMETER SURVEY

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº	80C-010

360

23684 orig

LOCATION MAP



LEGEND

NEGATIVE | POSITIVE

+6,+7 — LOW FREQUENCY

-4,-2 — MEDIUM FREQUENCY

MEDIUM FREQUENCY / LOW FREQUENCY

COIL SEPARATION: 90 METERS

CONDUCTOR TRACE

Profile
x – x Med. Freq.
—·— Low Freq.
1 cm = 10°

CRONE'S COMMENTS

BANDED SHALLOW DIPPING (TO SOUTH) POOR CONDUCTIVE ZONES
NARROW. WITHIN 20M OF SURFACE
INTERMITTENT MAG.
NO TARGETS

0 100 200 300 METERS
0 500 1000 FEET
1:3000

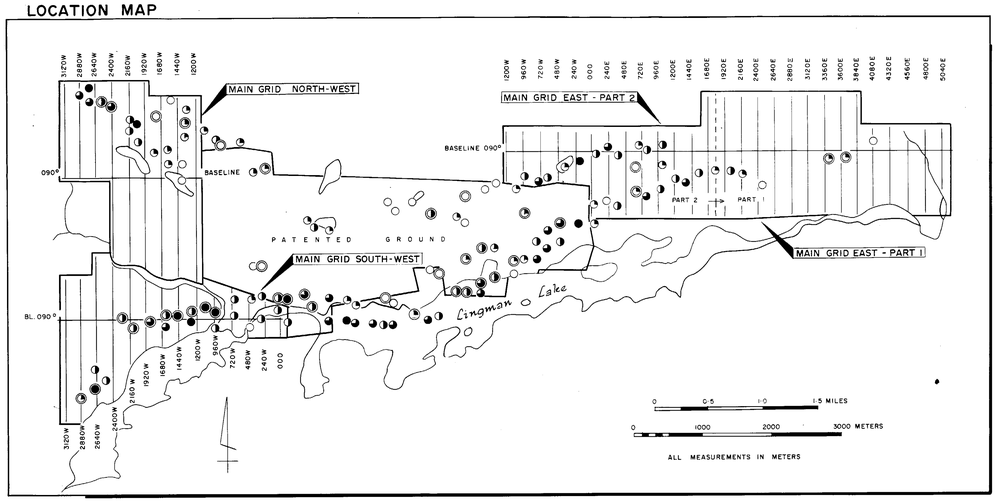
May 8/81

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART I
CEM SURVEY
HORIZONTAL SHOOTBACK

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº	80C-010

LOCATION MAP



N

1200W 960W 720W 480W 240W 000 240E 480E 720E 960E 1200E 1440E 1680E 1920E

840 N
720 N
600 N
480 N
360 N
240 N
120 N
BASELINE 090°
120 S
240 S
360 S
480 S
600 S
720 S

534210 534211 534212 534213 534214 534215

534209 534208 534207 534206 534216 534218

534205 534217 534219

Lake

Pond

90°

LEGEND

NEGATIVE, POSITIVE

+6, +7 LOW FREQUENCY, MEDIUM FREQUENCY

-4, -2 MEDIUM FREQUENCY, LOW FREQUENCY

COIL SEPARATION: 90 METERS

CONDUCTOR TRACE

CRONE'S COMMENTS

BANDED SHALLOW DIPPING (TO SOUTH) POOR CONDUCTIVE ZONES, NARROW WITHIN 20M OF SURFACE. INTERMITTENT MAG. NO TARGET.

0 100 200 300 METERS

0 500 1000 FEET

1:3000

May 5th/81

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

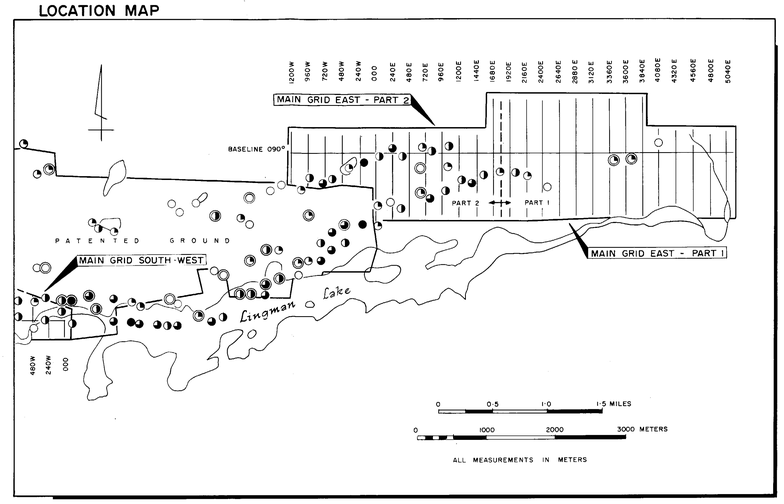
SEEBER LAKE PROJECT

MAIN GRID EAST - PART 2

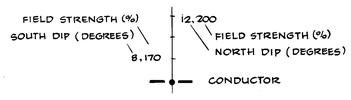
CEM SURVEY

HORIZONTAL SHOOTBACK

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº.	80C-010



LEGEND



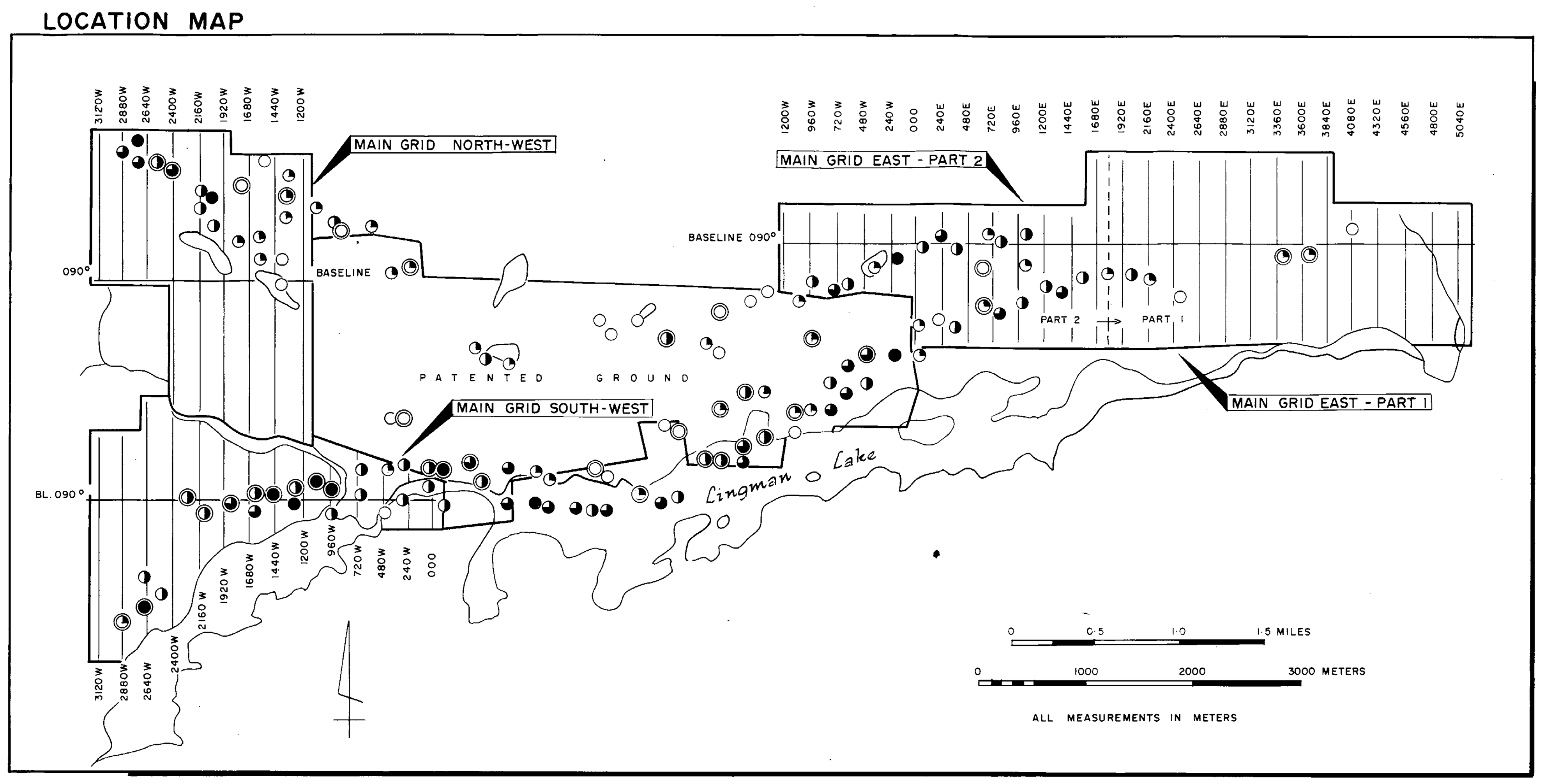
STATION: SEATTLE, WASHINGTON

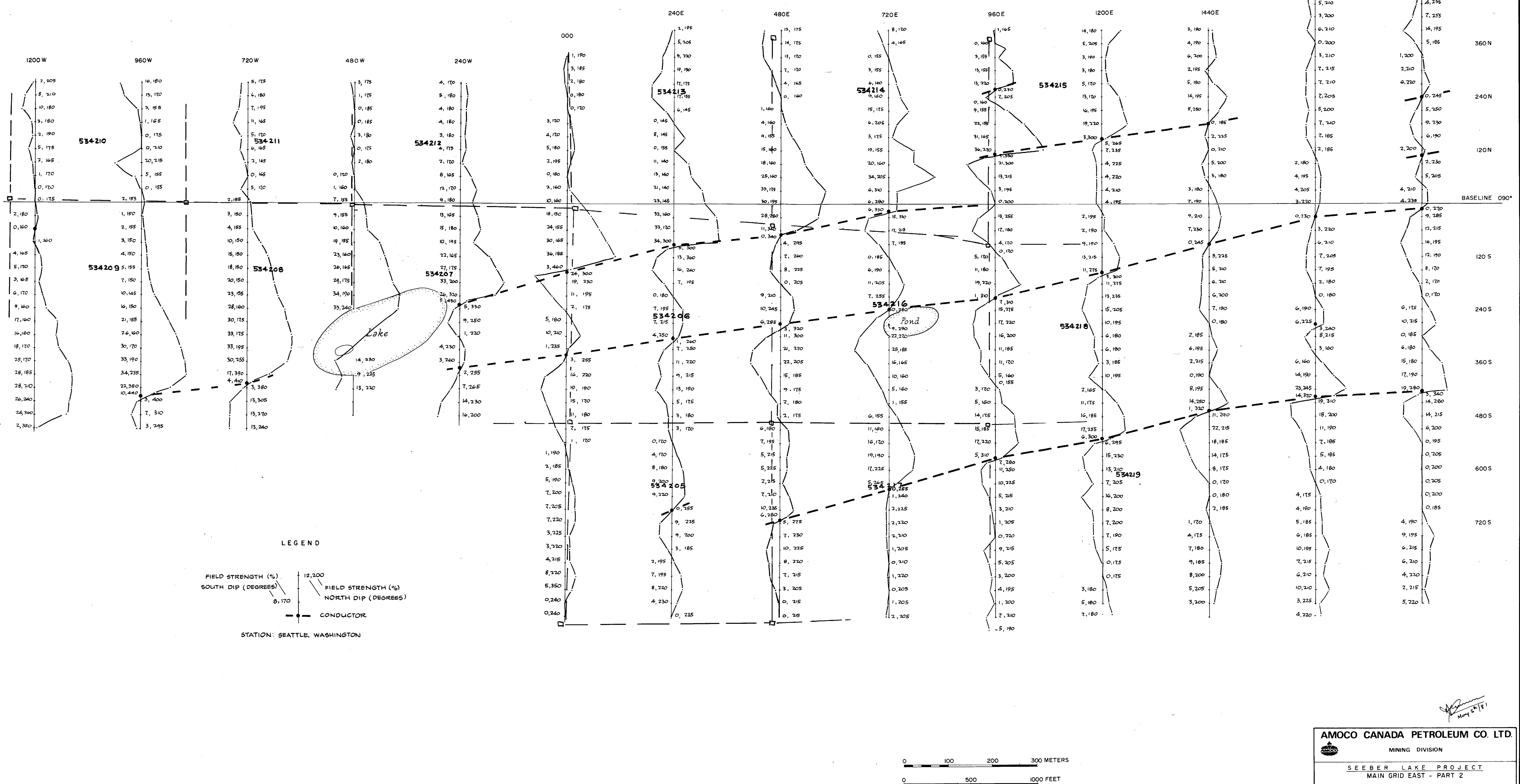
0 100 200 300 METERS

0 500 1000 FEET

1:3000

AMOCO CANADA PETROLEUM CO. LTD.			
MINING DIVISION			
SEEBER LAKE PROJECT			
MAIN GRID EAST - PART I			
RADEM SURVEY			
Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project No.	80C-010





AMOCO CANADA PETROLEUM CO. LTD.	
MINING DIVISION	
SEEBER LAKE PROJECT	
MAIN GRID EAST - PART 2	
RADEM SURVEY	
Drawn By: d.o's	Scale: 1:3000
Date: August 1980	Project Nº: 80C-010

0 100 200 300 METERS
0 500 1000 FEET
1 : 3000

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

SEEBER LAKE PROJECT
MAIN GRID EAST - PART I

SOIL SAMPLE LOCATION MAP

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project №	80C-010

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

SEEBER LAKE PROJECT

MAIN GRID EAST - PART 2

SOIL SAMPLE LOCATION MAP

Drawn By	d.o's	Scale	1:3000
Date	August 1980	Project Nº	80C-010